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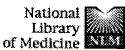
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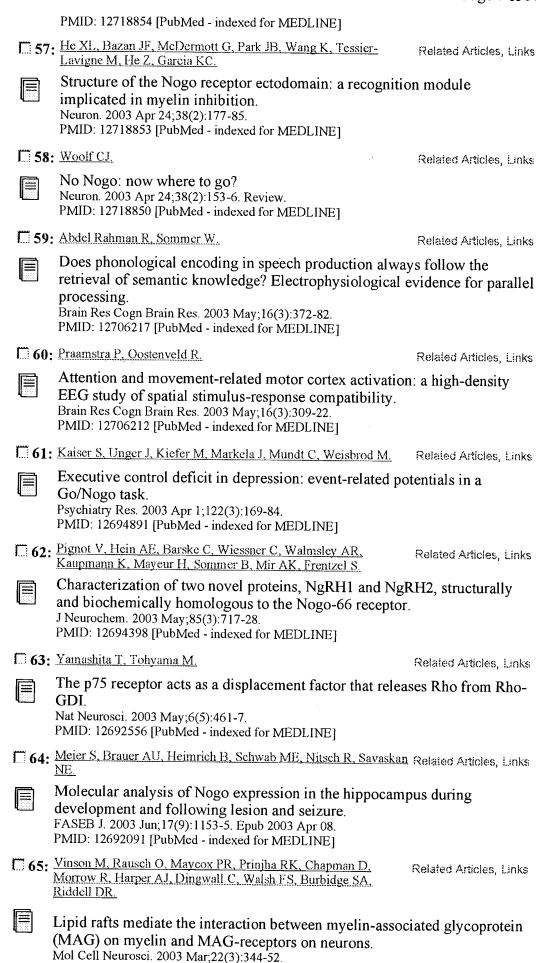
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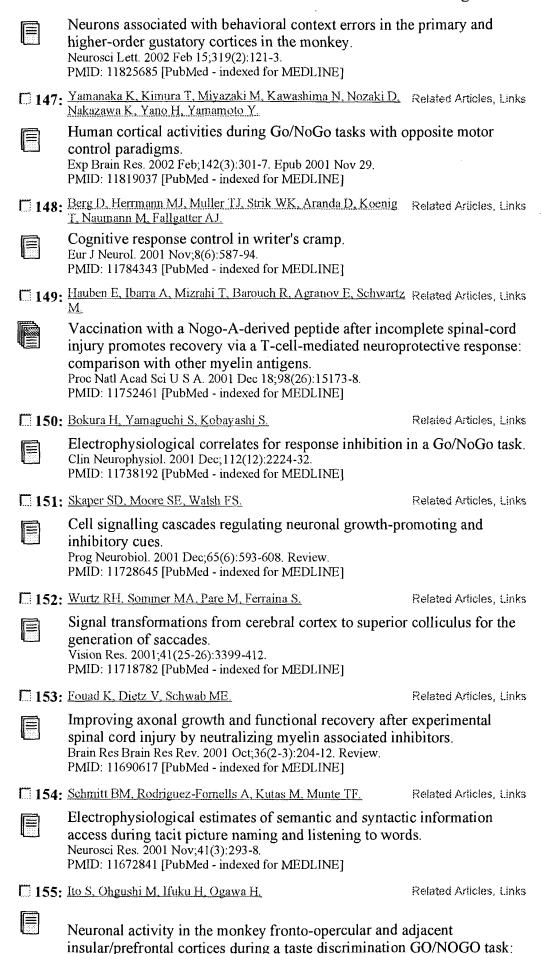
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     developmentally regulated in rat brain.
     Jin, W.-L. [Reprint Author]; Wang, Y. [Reprint Author]; Liu, H.-L.
     [Reprint Author]; Long, M. [Reprint Author]; Li, R. [Reprint Author];
     Zheng, C.-X. [Reprint Author]; Ju, G. [Reprint Author]
     Institute of Neurosciences, Fourth Military Medical University, Xi'an,
     Journal of Neurochemistry, (December 2003) Vol. 87, No. Supplement 1, pp.
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     Meeting Info.: Meeting of the International Society for Neurochemistry
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     CODEN: JONRA9. ISSN: 0022-3042.
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                                         receptor homologs differentially
TI
     Two novel mammalian
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     Lauren, Juha [Reprint Author]; Airaksinen, Matti S.; Saarma, Mart;
ΑU
     Timmusk, Tonis
     Program in Molecular Neurobiology, Institute of Biotechnology, University
CS
     of Helsinki, Viikinkaari 9, FIN-00014, P.O. Box 56, Helsinki, Finland
     Juha.Lauren@Helsinki.Fi
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     Molecular and Cellular Neuroscience, (November 2003) Vol. 24, No. 3, pp.
     581-594. print.
     ISSN: 1044-7431 (ISSN print).
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     Reindl, Markus [Reprint Author]; Khantane, Sabrina; Ehling, Rainer;
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     Schwab, Martin E.; Deisenhammer, Florian; Berger, Thomas; Bandtlow,
     Christine E.
     Department of Neurology, University of Innsbruck, Anichstrasse 35, Innsbruck, 6020, Austria
CS
     markus.reindl@uibk.ac.at
     Journal of Neuroimmunology, (December 2003) Vol. 145, No. 1-2, pp.
S0
     139-147. print.
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                    is a novel regulator of endothelial cell function and
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     Acevedo, Lisette M. [Reprint Author]; Yu, Jun [Reprint Author];
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     [Reprint Author]; Fulton, David [Reprint Author]; Tempst, Paul;
     Strittmatter, Stephen M. [Reprint Author]; Sessa, William C. [Reprint
     Author]
     Yale Univ, New Haven, CT, USA
Circulation, (October 28 2003) Vol. 108, No. 17 Supplement, pp. IV-137.
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     Meeting Info.: American Heart Association Scientific Sessions 2003.
     Orlando, FL, USA. November 09-12, 2003. American Heart Association.
     ISSN: 0009-7322 (ISSN print).
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     Luen; Xiao, Zhi-cheng [Reprint Author]
CS
     Department of Clinical Research, Singapore General Hospital, Singapore,
     Singapore
     cpallen@interchange.ubc.ca; mcbtbl@imcb.nus.edu.sg; gcrxzc@sgh.com.sg
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     Woodhall, E.; West, A. K.; Vickers, J. C.; Chuah, M. I. [Reprint Author]
NeuroRepair Group, University of Tasmania, Private Bag 24, Hobart, TAS,
ΑU
CS
     7001, Australia
     inn.chuah@utas.edu.au
     CMLS Cellular and Molecular Life Sciences, (October 2003) Vol. 60, No. 10,
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                        ***Nogo*** - ***A***
                                                   , Ng-R, or RhoA expression in the
     HBO suppresses
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     cerebral cortex after global ischemia.
     Zhou, Changman; Li, Yun; Nanda, Anil; Zhang, John H. [Reprint Author]
ΑU
     Louisiana State University Health Sciences Center-Shreveport, Shreveport,
CS
     LA, USA
     johnzhang3910@yahoo.com
     Biochemical and Biophysical Research Communications, (September 19 2003)
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      [Reprint Author]
     Research Institute for Microbial Diseases, Osaka University, 3-1
     Yamadaoka, Suita, 565-0871, Japan
      yutsudo@biken.osaka-u.ac.jp
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      Journal of Cellular Physiology, (August 2003) Vol. 196, No. 2, pp.
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     Vallon, Rudiger; Schwab, Martin E.
CS
     Department of Biology, Swiss Federal Institute of Technology Zurich and
      Brain Research Institute, University of Zurich, CH-8057, Zurich,
      Switzerland
     oertle@hifo.unizh.ch
      Journal of Neuroscience, (July 2, 2003) Vol. 23, No. 13, pp. 5393-5406.
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     Oertle, Thomas [Reprint Author]; Klinger, Michael; Stuermer. Claudia A.
ΑU
      O.; Schwab, Martin E.
      Brain Research Institute, University of Zurich and ETH Zurich,
CS
     Winterthurerstr.190, CH-8057, Zurich, Switzerland
     oertle@hifo.unizh.ch
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     Taketomi, M. [Reprint Author]; Kinoshita, N.; Kitada, H. [Reprint Author]; Noda, T. [Reprint Author]; Aso, H.; Ide, C. [Reprint Author]
ΑU
CS
      Anatomy and Neurobiology, Kyoto University Graduate Scool of Medicine,
     Kyoto, Japan
SO
     Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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     Conference; (Meeting)
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      EXPRESSION ANALYSIS OF HUMAN NGR AND BINDING STUDIES USING (I - 125)
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      Frentzel, S. [Reprint Author]; Hein, A. E. [Reprint Author]; Sablone, M.
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      [Reprint Author]; Kaupmann, K. [Reprint Author]; Oertle, T.; Zurini, M. [Reprint Author]; Staufenbiel, M. [Reprint Author]; Schwab, M. E.; Mir, A.
      K. [Reprint Author]
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      [Reprint Author]
     Neurology and Research Service, Edward Hines Jr. VA Hosp, Hines, IL, USA Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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     Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
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Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.

DT

Conference; (Meeting)

Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)

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      Entered STN: 2 Jul 2003
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      PREV200300304913
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      CORTICO - EFFERENT PLASTICITY FOLLOWING MIDDLE CEREBRAL ARTERY OCCLUSION
             ***NOGO*** -
                                ****
                                           BLOCKADE IN THE ADULT RAT.
      Papadopoulos, C. M. [Reprint Author]; Tsai, S. Y. [Reprint Author];
ΑU
      Schwab, M. E.; Kartje, G. L. [Reprint Author]
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      Neurology and Research Service, Hines VA Hospital, Hines, IL, USA
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L6
      ANSWER 16 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      2003:304912 BIOSIS
AN
DN
      PREV200300304912
      NEUROANATOMICAL PLASTICITY IN ADULT RATS FOLLOWING SENSORIMOTOR CORTEX
TI
                               ***NOGO***
                                            - ***A***
      LESIONS AND DELAYED
                                                             BLOCKADE.
      Seymour, A. B. [Reprint Author]; Tsai, S. Y. [Reprint Author]; Bollnow, M.
ΑU
      R. [Reprint Author]; Schwab, M. E.; Castro, A. J.; Kartje, G. L. [Reprint
CS
      Neurology and Research Service, Hines VA Hospital, Hines, IL, USA
      Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002) Vol. 2002, pp. Abstract No. 489.14. http://sfn.scholarone.com. cd-rom.
      Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
      orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
DT
      Conference; (Meeting)
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      Entered STN: 2 Jul 2003
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L6
      2003:304911 BIOSIS
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DN
      PREV200300304911
     DELAYED TREATMENT WITH A PURIFIED ANTI
                                                    ***NOGO***
      ANTIBODY IMPROVED FUNCTIONAL RECOVERY AND CORTICOSPINAL PLASTICITY AFTER
      STROKE IN RATS.
     Wiessner, C. [Reprint Author]; Bareyre, F. M.; Allegrini, P. R.; Mir, A.
ΑU
     K. [Reprint Author]; Zurini, M.; Frentzel, S. [Reprint Author]; Schnell,
     L.; Oertle, T.; Schwab, M. E.
CS
     Nervous System Research, Novartis Pharma AG, Basel Ch-4002, Switzerland
     Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
     Vol. 2002, pp. Abstract No. 489.13. http://sfn.scholarone.com. cd-rom.
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     Conference; Abstract; (Meeting Abstract)
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     Last Updated on STN: 2 Jul 2003
     ANSWER 18 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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     2003:293971 BIOSIS
     PREV200300293971
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     IN THE RAT ADULT SPINAL CORD.
ΑU
     Bareyre, F. M. [Reprint Author]; Pedersen, V. [Reprint Author];
     Haudenschild, B. [Reprint Author]; Schwab, M. E. [Reprint Author]
     brain research, university of zurich, zurich, Switzerland
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     Vol. 2002, pp. Abstract No. 334.8. http://sfn.scholarone.com. cd-rom. Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience. Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
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Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
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     Entered STN: 25 Jun 2003
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     Last Updated on STN: 25 Jun 2003
     ANSWER 19 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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     2003:293957 BIOSIS
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DN
     PREV200300293957
     CLONING AND CHARACTERIZATION OF ZEBRAFISH RETICULON GENES INCLUDING
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        ***NOGO***
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     Klinger, M. [Reprint Author]; Diekmann, H. [Reprint Author]; Haenisch, C.
     [Reprint Author]; Oertle, T.; Schwab, M. E.; Stuermer, C. A. O. [Reprint
     Authorl
     Biology, University of Konstanz, Konstanz, Germany
CS
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Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
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     English
     Entered STN: 25 Jun 2003
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     Last Updated on STN: 25 Jun 2003
     ANSWER 20 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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      2003:293955 BIOSIS
     PREV200300293955
DN
                                                        ***NOGO***
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     MAPPING THE FUNCTIONAL INHIBITORY SITES OF
ΤI
     DISCOVERY OF REGULATED EXPRESSION FOLLOWING NEURONAL INJURY.
ΑU
     Prinjha, R. K. [Reprint Author]; Hill, C. [Reprint Author]; Irving, E.
      [Reprint Author]; Roberts, J. [Reprint Author]; Campbell, C. [Reprint
     Author]; Parsons, A. [Reprint Author]; Davis, R. [Reprint Author]; Morrow,
     R. [Reprint Author]; Woodhams, P. L. [Reprint Author]; Philpott, K. L.
      [Reprint Author]; Pangalos, M. [Reprint Author]; Walsh, F. S. [Reprint
     Author]
     Neurodegeneration, Migraine and Stroke, Gastro-Intestinal, Neurology-GI-CEDD, Harlow, UK
CS
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     Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
     Vol. 2002, pp. Abstract No. 333.12. http://sfn.scholarone.com.cd-rom.
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     Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
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Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
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     Entered STN: 25 Jun 2003
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     Last Updated on STN: 25 Jun 2003
     ANSWER 21 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L6
     2003:293954 BIOSIS
AN
     PREV200300293954
DN
                                            ***NOGO***
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     THE NEURITE OUTGROWTH INHIBITOR
                                                                           ACTIVATES THE
     RHOA PATHWAY.
     DeMarco, S. J. [Reprint Author]; Noth, P. [Reprint Author]; Oertle, T.
ΑU
      [Reprint Author]; Schwab, M. E. [Reprint Author]; Bandtlow, C. E.
     Brain Research Institute, University of Zurich, Zurich, Switzerland
     Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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     Vol. 2002, pp. Abstract No. 333.11. http://sfn.scholarone.com. cd-rom.
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     Conference; Abstract; (Meeting Abstract)
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     Entered STN: 25 Jun 2003
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     Last Updated on STN: 25 Jun 2003
     ANSWER 22 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L6
     2003:293952 BIOSIS
     PREV200300293952
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                      GENES IN THE HIPPOCAMPUS: EXPRESSION DURING DEVELOPMENT AND
TT
     FOLLOWING LESION.
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[Reprint Author]; Qiu, D. [Reprint Author]; Greer, C. A.; Strittmatter, S. ΑU M. [Reprint Author] CS Neurology, Yale University, New Haven, CT, USA Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002) SO Vol. 2002, pp. Abstract No. 333.5. http://sfn.scholarone.com. cd-rom. Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience. Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience. Conference; (Meeting)
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Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract) DT English LA ED Entered STN: 25 Jun 2003

Last Updated on STN: 25 Jun 2003

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      ANSWER 26 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
      2003:293945 BIOSIS
 ΑN
 DN
      PREV200300293945
 ΤI
      MEMBRANE TOPOLOGIES AND RECEPTORS OF THE OLIGODENDROCYTE
                                                                       ***PROTEIN***
                           ****
         ***NOGO***
      Oertle, T. [Reprint Author]; Buss, A. [Reprint Author]; Dodd, D. [Reprint
 ΑU
      Author]; van der Haar, M. E. [Reprint Author]; Robeva, A.; Burfeind, P.; Vallon, R.; Schwab, M. E. [Reprint Author]
Brain Res Inst, Univ ETH Zurich, Zurich, Switzerland
CS
      Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
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      Vol. 2002, pp. Abstract No. 333.10. http://sfn.scholarone.com. cd-rom.
      Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
      Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
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      Conference; (Meeting Poster)
      Conference; Abstract; (Meeting Abstract)
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      English
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      Entered STN: 25 Jun 2003
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      ANSWER 27 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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      2003:287099 BIOSIS
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DN
      PREV200300287099
      Activity-induced and developmental downregulation of the
                                                                       ***Nogo***
      receptor.
      Josephson, Anna; Trifunovski, Alexandra; Scheele, Camilla; Widenfalk,
      Johan; Wahlestedt, Claes; Brene, Stefan; Olson, Lars; Spenger, Christian
      [Reprint Author]
CS
      Department of Neuroscience, Retzius Laboratory, Karolinska Institutet,
      Retzius vag 8, 171 77, Stockholm, Sweden
      christian.spenger@neuro.ki.se
SO
      Cell and Tissue Research, (March 2003) Vol. 311, No. 3, pp. 333-342.
      print.
      ISSN: 0302-766X (ISSN print).
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      English
      Entered STN: 19 Jun 2003
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      Last Updated on STN: 19 Jun 2003
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      2003:269592 BIOSIS
ΑN
DN
      PREV200300269592
      INTRANEURONAL LOCALIZATION OF
                                        ***NOGO***
TI
                                                           ****
                                                                       IN THE RAT.
     Ju, G. [Reprint Author]; Jin, W. L. [Reprint Author]; Liu, Y. Y. [Reprint Author]; Liu, H. L. [Reprint Author]; Yang, H. [Reprint Author] Inst Neurosciences, The Fourth Military Med Univ, Xi'an, China
ΑU
CS
      Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
S<sub>0</sub>
     Vol. 2002, pp. Abstract No. 129.15. http://sfn.scholarone.com. cd-rom.
     Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
     Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
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     Conference; (Meeting)
     Conference; (Meeting Poster)
Conference; Abstract; (Meeting Abstract)
LA
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     Entered STN: 11 Jun 2003
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     Last Updated on STN: 11 Jun 2003
L6
     ANSWER 29 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     2003:266245 BIOSIS
DN
     PREV200300266245
TT
     Characterization of two novel
                                        ***proteins***
                                                           , NgRH1 and NgRH2
     structurally and biochemically homologous to the
                                                            ***Nogo***
     Pignot, V.; Hein, A. E.; Barske, C.; Wiessner, C.; Walmsley, A. R.;
ΑU
     Kaupmann, K.; Mayeur, H.; Sommer, B.; Mir, A. K.; Frentzel, S. [Reprint
     Author]
     Novartis Pharma Research, CH-4002, Basel, Switzerland
     stefan.frentzel@pharma.novartis.com
SO
     Journal of Neurochemistry, (May 2003) Vol. 85, No. 3, pp. 717-728. print.
     CODEN: JONRA9. ISSN: 0022-3042.
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     English
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     Entered STN: 4 Jun 2003
     Last Updated on STN: 4 Jun 2003
     ANSWER 30 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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2003:256226 BIOSIS
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     PREV200300256226
DN
     Lack of enhanced spinal regeneration in
TI
                                                 ***Nogo*** -deficient mice.
ΑU
     Zheng, Binhai; Ho, Carole; Li, Shuxin; Keirstead, Hans; Steward, Oswald;
     Tessier-Lavigne, Marc [Reprint Author]
     Department of Biological Sciences, Howard Hughes Medical Institute,
CS
     Stanford University, Stanford, CA, 94305, USA
     marctl@stanford.edu
     Neuron, (April 24, 2003) Vol. 38, No. 2, pp. 213-224. print.
S0
     ISSN: 0896-6273 (ISSN print).
     Article
DT
LA
     English
     Entered STN: 28 May 2003
ED
     Last Updated on STN: 28 May 2003
     ANSWER 31 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
16
     2003:256225 BIOSIS
ΑN
     PREV200300256225
DN
     Systemic deletion of the myelin-associated outgrowth inhibitor

***Nogo*** - ***A*** improves regenerative and plastic r
TI
       ***Nogo***
                                 improves regenerative and plastic responses after
     spinal cord injury.
     Simonen, Marjo; Pedersen, Vera; Weinmann, Oliver; Schnell, Lisa; Buss,
ΑU
     Armin; Ledermann, Birgit; Christ, Franziska; Sansig, Gilles; van der
     Putten, Herman; Schwab, Martin E. [Reprint Author]
     Brain Research Institute, University of Zurich, Winterthurerstrasse 190,
     CH-8057, Zurich, Switzerland
     schwab@hifo.unizh.ch
S0
     Neuron, (April 24, 2003) Vol. 38, No. 2, pp. 201-211. print.
     ISSN: 0896-6273 (ISSN print).
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     ANSWER 32 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     2003:256220 BIOSIS
ΑN
     PREV200300256220
DN
          ***Nogo***
                       : Now where to go?.
TI
     Woolf, Clifford J. [Reprint Author]
ΑU
     Neural Plasticity Research Group, Department of Anesthesia and Critical
CS
     Care, Massachusetts General Hospital and Harvard Medical School, Boston,
     MA, 02129, USA
     cwoolf@mgh.harvard.edu
     Neuron, (April 24, 2003) Vol. 38, No. 2, pp. 153-156. print.
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     ISSN: 0896-6273 (ISSN print).
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     Article
     General Review; (Literature Review)
     English
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     Entered STN: 28 May 2003
     Last Updated on STN: 28 May 2003
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     ANSWER 33 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
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AN
     PREV200300247942
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                     (Reticulon 4) expression in innervated and denervated mouse
TI
       ***Nogo***
     skeletal muscle.
     Magnusson, Caroline [Reprint Author]; Libelius, Rolf; Tagerud, Sven
ΔU
     Department of Chemistry and Biomedical Sciences, University of Kalmar,
CS
     SE-391 82, Kalmar, Sweden
     caroline.magnusson@hik.se
SO
     Molecular and Cellular Neuroscience, (March 2003) vol. 22, No. 3, pp.
     298-307. print.
     ISSN: 1044-7431 (ISSN print).
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     Article
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IΑ
     Entered STN: 21 May 2003
ED
     Last Updated on STN: 21 May 2003
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     ANSWER 34 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
     2003:246365 BIOSIS
ΑN
DN
     PREV200300246365
       ***Nogo***
                       ***A***
                                 expression in oligodendrocytes during the
TT
     postnatal development of rat spinal cord dorsal funiculus.
     Taketomi, Masanori [Reprint Author]; Kinoshita, Nagatoki; Kitada, Masaaki
     [Reprint Author]; Kimura, Kazushi [Reprint Author]; Noda, Toru [Reprint
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Author]; Asou, Hiroaki; Ide, Chizuka [Reprint Author]

Department of Anatomy and Neurobiology, Kyoto Univ. Grad. Sch. of Med, CS Kyoto, Japan Neuroscience Research Supplement, (2002 (2003)) No. 26, pp. S5. print. SO Meeting Info.: 25th Annual Meeting of the Japan Neuroscience Society. Tokyo, Japan July 07, 2002-July 09, 2003. Japan Neuroscience Society. ISSN: 0921-8696 (ISSN print). Conference; (Meeting)
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Institute of Neurosciences, The Fourth Military Medical University, 17 CS Chang Le Xi Road, Xi'an, 710032, China jugong@fmmu.edu.cn journal of Comparative Neurology, (March 24, 2003) vol. 458, No. 1, pp. S0 1-10. print. ISSN: 0021-9967 (ISSN print). DT Article English LA ED Entered STN: 23 Apr 2003 Last Updated on STN: 23 Apr 2003 L6 ANSWER 36 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN ΑN 2003:167553 BIOSIS DN PREV200300167553 TI Insights into the cellular biology of ***Nogo*** - ***A*** ΑU Dodd, D. A. [Reprint Author]; van der Haar, M. [Reprint Author]; Schwab, M. E. [Reprint Author] CS Neuromorphology, Brain Research Institute, Zurich, Switzerland Molecular Biology of the Cell, (Nov. 2002) Vol. 13, No. Supplement, pp. S0 539a. print. Meeting Info.: 42nd Annual Meeting of the American Society for Cell Biology. San Francisco, CA, USA. December 14-18, 2002. American Society for Cell Biology. CODEN: MBCEEV. ISSN: 1059-1524. Conference; (Meeting)
Conference; Abstract; (Meeting Abstract) DT IΑ English ED Entered STN: 2 Apr 2003 Last Updated on STN: 2 Apr 2003 L6 ANSWER 37 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN 2003:164575 BIOSIS AΝ DN PREV200300164575 TI Do cancer cells die because of ***Nogo*** - ***B*** ΑU Oertle, Thomas [Reprint Author]; Merkler, Doron; Schwab, Martin E. Department of Biology, Brain Research Institute, University of Zurich, ETH CS Zurich, Winterthurerstr. 190, CH-8057, Zurich, Switzerland oertle@hifo.unizh.ch Oncogene, (6 March 2003) Vol. 22, No. 9, pp. 1390-1399. print. SO ISSN: 0950-9232 (ISSN print). Article LA Enalish ED Entered STN: 2 Apr 2003 Last Updated on STN: 2 Apr 2003 ANSWER 38 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 ΑN 2003:149816 BIOSIS DN PREV200300149816 ***A*** TI ***Nogo*** antibody infusion 24 hours after experimental stroke improved behavioral outcome and corticospinal plasticity in normotensive and spontaneously hypertensive rats Wiessner, Christoph [Reprint Author]; Bareyre, Florence M.; Allegrini, Peter R.; Mir, Anis K.; Frentzel, Stefan; Zurini, Mauro; Schnell, Lisa; Oertle, Thomas; Schwab, Martin E. Nervous System Research, Neurodegeneration Unit, Novartis Pharma AG, CS WK1125.5.15, CH-4002, Basel, Switzerland christoph.wiessner@pharma.novartis.com

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No. 2, pp. 154-165. print.
CODEN: JCBMDN. ISSN: 0271-678X.
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      Entered STN: 19 Mar 2003
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      Last Updated on STN: 19 Mar 2003
      ANSWER 39 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L6
      2003:136334 BIOSIS
AN
DN
      PREV200300136334
     Multi-functional gene ASY/ ***Nogo*** /RTN-X/RTN4: Apoptosis, suppression, and inhibition of neuronal regeneration.
Watari, A.; Yutsudo, M. [Reprint Author]
Research Institute for Microbial Diseases, Osaka University, 3-1
                                                  /RTN-X/RTN4: Apoptosis, tumor
AU
CS
      Yamadaoka, Suita, 565-0871, Japan
      yutsudo@biken.osaka-u.ac.jp
SO
      Apoptosis, (January 2003) Vol. 8, No. 1, pp. 5-9. print.
      ISSN: 1360-8185 (ISSN print).
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      Article
      Enalish
LA
ED
      Entered STN: 12 Mar 2003
      Last Updated on STN: 12 Mar 2003
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L6
ΑN
      2003:134663 BIOSIS
DN
      PREV200300134663
TT
      Genomic structure and functional characterisation of the promoters of
      human and mouse
                        ***Nogo***
                                      /RTN4.
     Oertle, Thomas [Reprint Author]; Huber, Chantal; van der Putten, Herman; Schwab, Martin E.
      Department of Biology, Brain Research Institute, University of Zurich,
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      Swiss Federal Institute of Technology, CH-8057, Zurich, Switzerland
      oertle@hifo.unizh.ch
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        ***Nogo***
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                                   axonal growth inhibitor permits immunochemical
      detection and shows enhanced neutrālizing activity.
     Fiedler, M.; Horn, C.; Bandtlow, C.; Schwab, M. E.; Skerra, A. [Reprint
ΑU
     Authorl
     Lehrstuhl fuer Biologische Chemie, Technische Universitaet Muenchen,
     Freising-Weihenstephan, Germany
     skerra@wzw.tum.de
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     PREV200300028192
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     Raineteau, Olivier [Reprint Author]; Fouad, Karim; Bareyre, Florence M.;
     Schwab, Martin E.
     Brain Research Institute, University and ETH Zurich, Winterthurerstrasse
     190, 8057, Zurich, Switzerland
     rainet@hifo.unizh.ch
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Niederoest, Barbara; Oertle, Thomas; Fritsche, Jens; McKinney, R. Anne;
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     Bandtlow, Christine E. [Reprint Author]
CS
     Division of Neurobiochemistry, Institute of Medical Chemistry and
     Biochemistry, Leopold-Franzens-University of Innsbruck,
     Fritz-Pregl-Strasse 3, A-6020, Innsbruck, Austria
     christine.bandtlow@uibk.ac.at
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     Josephson, Anna [Reprint author]; Trifunovski, Alexandra; Widmer, Hans
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     Department of Neuroscience, Karolinska Institutet, Retzius v. 8, B2:4,
     S-171 77, Stockholm, Sweden
     anna.Josephson@neuro.ki.se
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     Kitada, Masaaki; Noda, Toru; Asou, Hiroaki; Nakamura, Takashi; Ide,
     Chizuka
CS
     Department of Anatomy and Neurobiology, Graduate School of Medicine, Kyoto
     University, Kyoto, 606-8501, Japan
     taketomi@anat2.med.kyoto-u.ac.jp
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     p75 interacts with the
                                             receptor as a co-receptor for
       ***Nogo***
                    , MAG and OMgp.
     Wang, Kevin C.;
ΑU
                     Kim, Jieun A.; Sivasankaran, Rajeev; Segal, Rosalind; He,
     Zhigang [Reprint author]
CS
     Division of Neuroscience, Children's Hospital, Harvard Medical School, 320
     Longwood Avenue, Boston, MA, 02115, USA
     zhigang.he@tch.harvard.edu
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Pot, Caroline [Reprint author]; Simonen, Marjo; Weinmann, Oliver; Schnell, Lisa; Christ, Franziska; Stoeckle, Sascha; Berger, Philipp; Rulicke, Thomas; Suter, Ueli; Schwab, Martin E. ΑU Brain Research Institute, University of Zurich, Winterthurerstrasse 190, CS CH-8057, Zurich, Switzerland caroline.pot@access.unizh.ch Journal of Cell Biology, (October 14, 2002) Vol. 159, No. 1, pp. 29-35. SO print. CODEN: JCLBA3. ISSN: 0021-9525. Article DT English Entered STN: 7 Nov 2002 ED Last Updated on STN: 7 Nov 2002 ANSWER 48 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2002:515043 BIOSIS ΑN PREV200200515043 DN ****A*** expression in mouse central nervous system ***Nogo*** TI neurons Liu, Haiping; Ng, Cherry E. L.; Tang, Bor Luen [Reprint author]
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Woolf, Clifford J. [Reprint author]; Bloechlinger, Stefan [Reprint author] TI ΑU Neural Plasticity Research Group, Department of Anesthesia, Massachusetts CS General Hospital and Harvard Medical School, Boston, MA, 02129, USA woolf.clifford@mgh.harvard.edu Science (Washington D C), (16 August, 2002) Vol. 297, No. 5584, pp. 50 1132-1134. print. CODEN: SCIEAS. ISSN: 0036-8075. DΤ Article English LA Entered STN: 11 Sep 2002 ED Last Updated on STN: 11 Sep 2002 ANSWER 51 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2002:430127 BIOSIS ΑN DN PREV200200430127 ***Nogo*** Oligodendrocyte-myelin glycoprotein is a receptor ligand TI that inhibits neurite outgrowth. Wang, Kevin C.; Koprivica, Vuk; Kim, Jieun A.; Sivasankaran, Rajeev; Guo, ΑU Yong; Neve, Rachel L.; He, Zhigang [Reprint author]

Division of Neuroscience, Children's Hospital, 320 Longwood Avenue,

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ΑU
     author]
     Institute of Genetic Resources, Nanjing Normal University, Nanjing,
CS
     Jiangsu Province, 210029, China
     zhouzm@njmu.edu.cn
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     Hauben, Ehud; Ibarra, Antonio; Mizrahi, Tal; Barouch, Rina; Agranov,
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     Eugenia; Schwartz, Michal [Reprint author]
Department of Neurobiology, Weizmann Institute of Science, Rehovot, 76100,
      Israel
      michal.schwartz@weizmann.ac.il
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ΑN
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TI
      cerebral artery occlusion and
                                          ***Nogo***
      Papadopoulos, C. M. [Reprint author]; Tsai, S. Y. [Reprint author]; Alsbiej, T. [Reprint author]; Schwab, M. E.; Kartje, G. L. [Reprint
      author]
CS
      Research Service, Hines VA Hospital, Hines, IL, USA
      Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 2019.
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      Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
      Diego, California, USA. November 10-15, 2001.
      ISSN: 0190-5295.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
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      Last Updated on STN: 25 Feb 2002
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      PREV200100539350
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      Expression pattern of cNogo-A in the developing chick brain.
ΤI
      Caltharp, S. A. [Reprint author]; Pira, C. M. [Reprint author]; Liwnicz, B. H.; Oberg, K. C. [Reprint author]
ΑU
      Anatomy, Loma Linda University, Loma Linda, CA, USA
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Conference; Abstract; (Meeting Abstract) DT

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 - CS Department of Tumor Virology, Research Institute for Microbial Diseases, Osaka University, Suita, 565-0871, Japan
 - yutsudo@biken.osaka-u.ac.jp Oncogene, (5 July, 2001) Vol. 20, No. 30, pp. 3929-3936. print. **S**0 CODEN: ONCNES. ISSN: 0950-9232.
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- LA English
- ED Entered STN: 30 May 2001
 - Last Updated on STN: 19 Feb 2002
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PREV200100134964
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     Functional outcome following middle cerebral artery occlusion and
ΤI
     neutralization of ***Nogo*** - ***A*** in the adult rat.
     Papadopoulos, C. M. [Reprint author]; Tsai, S. Y.; Schwab, M. E.; Kartje,
ΑU
     Hines VA Hospital, Hines, IL, USA
CS
     Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
S0
     No.-860.12. print.
     Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
     orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295.
     Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
ΙA
     English
     Entered STN: 14 Mar 2001
ED
     Last Updated on STN: 15 Feb 2002
     ANSWER 73 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L6
     2001:120749 BIOSIS
ΑN
     PREV200100120749
DN
                                                  ***Nogo*** - ***A***
     Localization and membrane topology of
ΤI
     Simonen, M. [Reprint author]; van der Haar, M. E.; Martoglio, B.; Bandtlow, C. E.; Schwab, M. E.
ΑU
     University of Zurich, Zurich, Switzerland
CS
     Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
S0
     No.-699.20 print.
     Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
     Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295.
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FD
      Last Updated on STN: 15 Feb 2002
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L6
      2001:107849 BIOSIS
AN
      PREV200100107849
DN
      Characterization of monoclonal antibodies against ***Nogo*** - ***A***
TI
        a potent inhibitor of neurite outgrowth.
      Schnell, L. [Reprint author]; Stierli, B.; Schneider, R.; Oertle, T.; Van
ΑU
      der Haar, M. E.; Huber, A. B.; Haudenschild, B.; Streit, P.; Schwab, M. E.
      University of Zurich, CH-8057 Zurich, Switzerland
CS
      Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
S0
      No.-217.13. print.
      Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
      Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295.
      Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
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      Enalish
LA
      Entered STN: 28 Feb 2001
ED
      Last Updated on STN: 15 Feb 2002
L6
      ANSWER 75 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. ON STN
      2001:107848 BIOSIS
ΑN
      PREV200100107848
DN
      Subcellular localisation of
                                       ***Nogo*** - ***A*** , a major
TI
      myelin-associated neurite outgrowth inhibitor.
      Huber, A. B. [Reprint author]; van der Haar, M. E.; Broesamle, C.;
ΑU
      Schnell, L.; Weinmann, O.; Schwab, M. E.
      Brain Research Institute, Zurich, Switzerland
Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
No.-217.12. print.
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
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      Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
      ISSN: 0190-5295.
      Conference; (Meeting)
DT
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      ANSWER 76 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. ON STN
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      2001:107847 BIOSIS
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AN DN

PREV200100107847

- TI Isolation of mRNAs coding for ***Nogo*** -like ***proteins*** from goldfish. Leiteritz, D. [Reprint author]; Simonen, M.; Thallmair, M.; Schwab, M. E. Brain Research Institute, CH 8057 Zuerich, Switzerland Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract ΑU CS **SO** No.-217.11. print. Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295. Conference; (Meeting)
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 Conference; Abstract; (Meeting Abstract) DT English LA Entered STN: 28 Feb 2001 FD Last Updated on STN: 15 Feb 2002 ANSWER 78 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2001:98554 AN BIOSIS DN PREV200100098554 ***Nogo*** -66 inhibition of Identification of a receptor mediating axonal regeneration. ΑU Fournier, Alyson E.; GrandPre, Tadzia; Strittmatter, Stephen M. [Reprint author] CS Department of Neurology and Section of Neurobiology, Yale University school of Medicine, New Haven, CT, 06520, USA stephen.strittmatter@yale.edu SO Nature (London), (18 January, 2001) Vol. 409, No. 6818, pp. 341-346. print. CODEN: NATUAS. ISSN: 0028-0836. DT Article General Review; (Literature Review) English LA ED Entered STN: 21 Feb 2001 Last Updated on STN: 15 Feb 2002 ANSWER 79 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2001:92426 AN BIOSIS DN PREV200100092426 Glial changes following sensorimotor cortical lesion and blockade of the neurite inhibitory ***protein*** ***Nogo*** - ***A*** in adult ΤI rats. Tsai, S. Y. [Reprint author]; DeVries, G. H.; Schwab, M. E.; Kartje, G. L. AU Hines VA Hospital, Hines, IL, USA CS Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract SO No.-505.3. print. Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295.
- DT Conference; (Meeting)
- Conference; Abstract; (Meeting Abstract) English

Nogo

FD Entered STN: 21 Feb 2001 Last Updated on STN: 12 Feb 2002

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Schwab, M. E. [Reprint author] ΑU Univ. of Zurich and Swiss Fed. Inst. of Tech., Zurich Brain Research CS Institute, Zurich, Switzerland Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract SO No.-196.2. print. Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New orleans, LA, USA. November 04-09, 2000. Society for Neuroscience. ISSN: 0190-5295. Conference; (Meeting)
Conference; Abstract; (Meeting Abstract) DT English IΑ Entered STN: 14 Feb 2001 ED Last Updated on STN: 12 Feb 2002 ANSWER 81 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2001:17501 BIOSIS ΑN PREV200100017501 DN Regeneration of lesioned corticospinal tract fibers in the adult rat TI induced by a recombinant, humanized IN-1 antibody fragment. Brosamle, Christian [Reprint author]; Huber, Andrea B.; Fiedler, Markus; Skerra, Árne; Schwab, Martin E. Brain Research Institute, University of Zurich, Winterthurer Strasse 190, CS 8057, Zurich, Switzerland broesam@hifo.unizh.ch Journal of Neuroscience, (November 1, 2000) Vol. 20, No. 21, pp. S₀ 8061-8068. print. CODEN: JNRSDS. ISSN: 0270-6474. Article DT English LA Entered STN: 27 Dec 2000 ED Last Updated on STN: 27 Dec 2000 ANSWER 82 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2000:408034 BIOSIS AN PREV200000408034 DN - ***A*** , a potent inhibitor of neurite outgrowth and TI ***Nogo*** regeneration. Huber, Andrea B. [Reprint author]; Schwab, Martin E. Department of Neuromorphology, Brain Research Institute, University of CS Zurich and Swiss Federal Institute of Technology Zurich, CH-8057, Zurich, Switzerland Biological Chemistry, (May-June, 2000) Vol. 381, No. 5-6, pp. 407-419. SO print. ISSN: 1431-6730. DT Article General Review; (Literature Review) English Entered STN: 27 Sep 2000 ED Last Updated on STN: 8 Jan 2002 ANSWER 83 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2000:209173 BIOSIS ΑN DN PREV200000209173 - ***A*** is a myelin-associated neurite outgrowth TI ***Nogo*** inhibitor and an antigen for monoclonal antibody IN-1. Chen, Maio S.; Huber, Andrea B.; van der Haar, Marjan E.; Frank, Marcus; ΑU Schnell, Lisa; Spillmann, Adrian A.; Christ, Franziska; Schwab, Martin E. [Reprint author] Brain Research Institute, Department of Neuromorphology, University of CS Zurich and Swiss Federal Institute of Technology Zurich, 8057, Zurich, **Switzerland** Nature (London), (Jan. 27, 2000) Vol. 403, No. 6768, pp. 434-439. print. SO CODEN: NATUAS. ISSN: 0028-0836. Article DT English LA Entered STN: 24 May 2000 ED Last Updated on STN: 5 Jan 2002 ANSWER 84 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L6 2000:160527 BIOSIS AN PREV200000160527 DN ***Nogo*** Regeneration in the zone. TI Tessier-Lavigne, Marc [Reprint author]; Goodman, Corey S. ΑU Department of Anatomy, Howard Hughes Medical Institute, University of CS California at San Francisco, San Francisco, CA, 94143, USA

Science (Washington D C) (Feb. 4. 2000) Vol. 287. No. 5454. pp. 813-814.

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print.
     CODEN: SCIEAS. ISSN: 0036-8075.
DT
     Article
     English
IΑ
ED
     Entered STN: 26 Apr 2000
     Last Updated on STN: 4 Jan 2002
     ANSWER 85 OF 245 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
L6
     2000:148038 BIOSIS
AN
     PREV200000148038
DN
     Inhibitory activity and domain(s) of the myelin
                                                            ***protein***
TI
        ***Nogo*** - ***A***
     Chen, M. S. [Reprint author]; Schnell, L.; van der Haar, M.; Oertle, T.;
ΑU
     Schwab, M. E.
     Brain Research Institute, University of Zurich, Winterthurerstrasse 190,
     Zurich, Switzerland
     Society for Neuroscience Abstracts, (1999) Vol. 25, No. 1-2, pp. 2030.
50
     Meeting Info.: 29th Annual Meeting of the Society for Neuroscience. Miami
     Beach, Florida, USA. October 23-28, 1999. Society for Neuroscience.
     ISSN: 0190-5295.
     Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
DT
     English
     Entered STN: 19 Apr 2000
ED
     Last Updated on STN: 4 Jan 2002
      ANSWER 86 OF 245 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI ON STN
L6
      2003-25159 BIOTECHDS
ΑN
      New Nrdp1 polypeptide consisting of an ErbB3 binding domain of Nrdp1,
ΤI
      useful for treating a HER2/neupositive neoplastic growths, such as
      breast, ovary, prostate and lung tumors, or for enhancing nerve growth or
       regeneration;
                         ***protein***
                                           production via plasmid expression in
          recombinant
          host cell for use in disease therapy
      CARRAWAY K; DIAMONTI A
ΑU
PA
      UNIV CALIFORNIA
      wo 2003072712 4 Sep 2003
PΙ
      WO 2003-US5088 20 Feb 2003
ΑI
      US 2002-378570 7 May 2002; US 2002-358793 21 Feb 2002
PRAI
       Patent
DT
      English
LA
      WPI: 2003-712713 [67]
os
      ANSWER 87 OF 245 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
L6
       2003-16164 BIOTECHDS
ΑN
                                  receptor polypeptides and nucleic acids, useful
                    ***Nogo***
TI
      New human
       for decreasing inhibition of axonal growth by a central nervous system
       neuron, or in treating central nervous system disease, disorder or
       injury, e.g. spinal cord injury;
                                ***protein***
                                                 production and its encoding gene
          human recombinant
          useful for gene therapy
       STRITTMATTER S M
ΑU
PA
       UNIV YALE
       wo 2003031462 17 Apr 2003
PΙ
      wo 2002-US32007 4 oct 2002
ΑI
      us 2001-972599 6 oct 2001; us 2001-972599 6 oct 2001
PRAI
DT
       Patent
       English
LA
      WPĬ: 2003-393433 [37]
os
       ANSWER 88 OF 245 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI ON STN
L6
       2001-11504 BIOTECHDS
ΑN
      New polypeptide designated of the human ***NOGO***
                                      ***NOGO*** - ***C***
                                                                  is a splice variant
ΤI
                                     gene and may be useful for in the treatment
       of the human
      of neural disorders including Alzheimer's and Parkinson's diseases; vector-mediated gene transfer, expression in host cell and antibody for recombinant ***protein*** production, drug screening and
          disease therapy
       Michalovich D; Prinjha R
ΑU
PA
       SK-Beecham
       Brentford, UK.
LO
      WO 2001036631 25 May 2001
WO 2000-GB4345 14 Nov 2000
PΙ
ΑI
       GB 2000-1550 24 Jan 2000; GB 1999-26995 15 Nov 1999
PRAI
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Patent

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LA
       English
       WPĪ: 2001-343822 [36]
os
L6
       ANSWER 89 OF 245
                           BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
       2001-01526 BIOTECHDS
ΑN
                ***protein***
TI
       Novel
                                 associated with cell stress response useful for
       modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists;

***Nogo*** - ***B*** ***protein*** gene useful for gene
                                                              gene useful for gene
          therapy
       Wei D; Halenbeck R; Williams L T
ΑU
PA
       Chiron
       Emeryville, CA, USA.
LO
       WO 2000060083 12 Oct 2000
PΙ
       wo 2000-US9383 7 Apr 2000
AT
PRAI
       US 1999-140331 21 Jun 1999; US 1999-128372 8 Apr 1999
DT
       Patent
LA
       English
       WPI: 2000-665007 [64]
OS
       ANSWER 90 OF 245 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
L6
                   BIOTECHDS
AN
       2000-10587
         ***Nogo***
                         ***proteins*** and nucleic acids useful for treating
TI
       neoplastic disorders of the central nervous system and inducing
       regeneration of neurons;
          vector-mediated gene transfer and expression in host cell, antibody,
          transgenic animal, ribozyme and antisense oligonucleotide
       Schwab M E; Chen M S
Schwab M E; Chen M S
ΑU
PA
       Zurich, Switzerland.
LO
PΙ
      WO 2000031235 2 Jun 2000
ΑI
      WO 1999-US26160 5 Nov 1999
      US 1998-107446 6 Nov 1998
PRAI
DΤ
       Patent
LA
       English
      WPI: 2000-400052 [34]
OS
L6
       ANSWER 91 OF 245 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
       2003:37309734
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AN
       Regulation of antisense oligodeoxynucleotides on expression of ***Nogo*** - ***A*** in oligodendrocytes in vitro
ΤI
          **Nogo***
                                    in oligodendrocytes in vitro
       Peng X.; Liu S.; Ye J.
ΑU
      X. Peng, Department of Ophthalmology, Daping Hosp. and Res. Inst. of
CS
      Surg., Third Military Medical University, Chongqing 400042, China. E-mail: xijiapeng480@sohu.com
SO
       Chinese Ophthalmic Research, (2003), 21/5 (485-488), 11 reference(s)
       CODEN: YAYAFH ISSN: 1003-0808
DT
      Journal: Article
      China
CY
LA
      Chinese
SL
      English; Chinese
      ANSWER 92 OF 245 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
16
      2002:36801786
AΝ
                       BIOTECHNO
TI
             ***Nogo***
                           receptor, its ligands and axonal regeneration in the
      spinal cord; a review
      Hunt D.; Coffin R.S.; Anderson P.N.
ΑU
CS
      D. Hunt, Dept. of Immunol./Molec. Pathology, Windeyer Institute,
      University College London, Cleveland Street, London W1T 4JF, United
      Kingdom.
      E-mail: david.hunt@ucl.ac.uk
      Journal of Neurocytology, (01 JUL 2002), 31/2 (93-120), 159 reference(s)
SO
      CODEN: JNCYA2 ISSN: 0300-4864
      Journal; General Review
DT
CY
      Netherlands
LA
      English
SL
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      ANSWER 93 OF 245 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
L6
      2000:30044512
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AN
      NI-35/250/ ***Nogo*** - ***A*** : A neurite growth inhibitor
TI
      restricting structural plasticity and regeneration of nerve fibers in the
      adult vertebrate CNS
ΑU
      Bandtlow C.E.; Schwab M.E.
      C.E. Bandtlow, Institut fur Hirnforschung, University of Zurich, CH-8029
CS
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Zurich. Switzerland.

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E-mail: bandtlow@hifo.unizh.ch
       GLIA, (15 JAN 2000), 29/2 (175-181), 66 reference(s) CODEN: GLIAEJ ISSN: 0894-1491
SO
DT
       Journal: General Review
       United States
CY
       English
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      ANSWER 94 OF 245 CAPLUS COPYRIGHT 2004 ACS ON STN
L6
AN
      2003:1006693 CAPLUS
DN
      140:58448
      Antigen-presenting cells for neuroprotection and nerve regeneration
TI
      Eisenbach-Schwartz, Michal; Cohen, Avraham
IN
      Yeda Research and Development Co. Ltd., Israel
PA
SO
      PCT Int. Appl., 72 pp.
      CODEN: PIXXD2
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      Patent
LA
      English
FAN.CNT 1
                          KIND DATE
                                                   APPLICATION NO.
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296P P 20020614
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      ANSWER 95 OF 245 CAPLUS COPYRIGHT 2004 ACS ON STN
      2003:998561 CAPLUS
ΑN
        ***Nogo*** -
                         ****A***
ΤI
                                      expression in the intact and injured nervous
     Hunt, David; Coffin, R. S.; Prinjha, R. K.; Campbell, G.; Anderson, P. N. Windeyer Institute, Department of Immunology and Molecular Pathology, University College London, Cleveland Street, London, W1T 4JF Molecular and Cellular Neuroscience (2003), 24(4), 1083-1102
ΑU
CS
SO
      CODEN: MOCNED; ISSN: 1044-7431
PB
      Elsevier Science
DT
      Journal
LA
      English
      ANSWER 96 OF 245 CAPLUS COPYRIGHT 2004 ACS ON STN
L6
      2003:972216 CAPLUS
ΑN
DN
      140:24104
TI
      Paramyxovirus vectors encoding antibody variable regions for use in nerve
      injury gene therapy and immunosuppression
      Inoue, Makoto; Hasegawa, Mamoru; Hironaka, Takashi
TN
PA
      Dnavec Research Inc., Japan
S0
      PCT Int. Appl., 142 pp.
      CODEN: PIXXD2
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LA
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                THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
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                     CAPLUS
DN
       139:380024
      oligonucleotide probes and primers for diagnosing and monitoring
TI
      autoimmune and chronic inflammatory diseases
IN
      wohlgemuth, Jay; Fry, Kirk; Woodward, Robert; Ly, Ngoc
      Expression Diagnostics, Inc., USA
PA
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      PCT Int. Appl., 877 pp.
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      US 2004009479
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                                  20040115
                                                    US 2002-131827
                                                                        20020424
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      US 2001-6290
                            Α2
                                  20011022
      ANSWER 98 OF 245 CAPLUS COPYRIGHT 2004 ACS ON STN
L6
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      2003:855650 CAPLUS
DN
      139:317479
TI
      Nucleic acid-based modulation of NOGO and NOGO receptor interactions and
      genes for treatment and/or diagnosis of associated diseases
IN
      Blatt, Lawrence; McSwiggen, James; Chowrira, Bharat M.; Haeberli, Peter
      Ribozyme Pharmaceuticals, Inc., USA
U.S. Pat. Appl. Publ., 77 pp., Cont.-in-part of Appl. No. PCT/US02/10512.
PA
S<sub>0</sub>
      CODEN: USXXCO
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      English
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                          KIND
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                                                   APPLICATION NO.
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      WO 2001059103
                           C2
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      Molecular characterisation of the reticulon-family member
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TI
      Oertle, Thomas [Dr.sc.nat.]
ΑU
      Eidgenoessische Technische Hochschule Zuerich (Switzerland) (0663)
CS
      Dissertation Abstracts International, (2002) Vol. 64, No. 3C, p. 615.
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      ANSWER 114 OF 245 DISSABS COPYRIGHT (C) 2004 ProQuest Information and
L6
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                              order Number: AAI3083654
      2003:56831 DISSABS
AN
      Identification of the receptor complex required for inhibition of axonal
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      regeneration by myelin-associated glycoprotein
      Domeniconi, Marco [Ph.D.]; Filbin, Marie T. [advisor]
ΑU
      City University of New York (0046)
CS
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      2003:33260 DISSABS
 AN
                                     molecular determinant of axonal growth and
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      regeneration
      GrandPre, Tadzia Jean [Ph.D.]; Strittmatter, Stephen M. [adviser]
 ΑU
      Yale University (0265)
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      Dissertation Abstracts International, (2002) Vol. 63, No. 10B, p. 4522.
 S<sub>0</sub>
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      ISBN: 0-493-87827-0.
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      2003:20089 DISSABS
 AN
      The role of extrinsic factors in the regulation of axonal sprouting in
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      Shomer, Marc Howard [Ph.D.]; Chesselet, Marie-Francoise [adviser] University of California, Los Angeles (0031) Dissertation Abstracts International, (2002) Vol. 63, No. 7B, p. 3180. Order No.: AAI3059601. 210 pages.
 ΑU
 CS
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       ISBN: 0-493-75272-2.
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EC

Dissertation

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      ANSWER 117 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
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 IN
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 PA
       (SMIK)
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       of the human
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      ANSWER 133 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
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***Nogo***

***proteins***

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***Nogo*** ***proteins*** and nucleic acids useful for treating
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ANSWER 137 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

DGENE

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                  CHEN M S.
      (CHEN-I)
      WO 2000031235 A2 20000602
WO 1999-US26160 19991105
PT
                                                 122p
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ΔΤ

```
us 1998-107446
                      19981106
      Patent
DT
      English
LA
      2000-400052 [34]
os
           ***Nogo***
                            ****
                                         ***protein***
                                                           fragment used in the
DESC
      Rat
      construction of mutant NiG-D14.
      ANSWER 142 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
      AAY71394 Protein DGENE
***Nogo*** ***proteins***
ΑN
TI
                                          and nucleic acids useful for treating
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
                   SCHWAB M E.
      (SCHW-I)
PA
      (CHEN-I)
                   CHEN M S.
      wo 2000031235 A2 20000602
ΡI
                                                 122p
ΑI
      wo 1999-US26160 19991105
      us 1998-107446
                        19981106
PRAI
DT
      Patent
      English
LA
      2000-400052 [34]
Rat ***Nogo***
os
                            ******
                                         ***protein***
                                                           fragment used in the
DESC
      construction of mutant NiG-D10.
      ANSWER 143 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      ANSWER 143 0. _ AAY71393 Protein Dutne ***proteins***
L6
ΑN
                                          and nucleic acids useful for treating
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
                   SCHWAB M E.
PA
      (SCHW-I)
      (CHEN-I)
                   CHEN M S.
      WO 2000031235 A2 20000602
PΙ
                                                 122p
      wo 1999-Us26160 19991105
ΑI
                       19981106
      us 1998-107446
PRAI
      Patent
DT
LA
      English
      2000-400052 [34]
os
                             ****
DESC
      Rat ***Nogo***
                                         ***protein***
                                                           fragment used in the
      construction of mutant NiG-D9.
L6
      ANSWER 144 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY71392 Protein DGENE
***Nogo*** ***proteins***
ΑN
        ***Nogo***
                                           and nucleic acids useful for treating
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
PA
      (SCHW-I)
                   SCHWAB M E.
       (CHEN-I)
                   CHEN M S.
PΙ
      WO 2000031235 A2 20000602
                                                 122p
      wo 1999-us26160 19991105
ΑI
      US 1998-107446
PRAI
                       19981106
DT
      Patent
      English
LA
      2000-400052 [34]
os
           ***Nogo***
                             ****A***
                                          ***protein***
                                                           fragment used in the
DESC
      Rat
      construction of mutant NiG-D8.
L6
      ANSWER 145 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      ANSWER 143 C.

AAY71391 Protein DGENE

***proteins***
ΑN
                                           and nucleic acids useful for treating
ΤI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
ΙN
      (SCHW-I)
                   SCHWAB M E.
PA
       (CHEN-I)
                   CHEN M S.
      WO 2000031235 A2 20000602
PΙ
                                                 122p
      wo 1999-US26160 19991105
US 1998-107446 19981106
ΑI
PRAI
      Patent
DT
      English
LA
      2000-400052 [34]
os
            ***Nogo***
DESC Rat
                             **** \D ** ** **
                                          ***protein***
                                                           fragment used in the
      construction of mutant NiG-D7.
16
      ANSWER 146 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
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AAY71390 Protein DGENE
***Nogo*** ***proteins*** and nucleic acids useful for treating
ΑN
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
      (SCHW-I)
                   SCHWAB M E.
PA
      (CHEN-I)
                  CHEN M S.
      wo 2000031235 A2 20000602
PΙ
                                                 122p
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US 1998-107446 19981106
ΑI
PRAI
      Patent
DT
      English
LA
      2000-400052 [34]
os
                            *****
            ***Nogo***
                                       ***protein***
                                                          fragment used in the
DESC
      Rat
      construction of mutant NiG-D5.
      ANSWER 147 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
      AAY71389 Protein DGENE
***Nogo*** ***proteins***
AN
TI
                                        and nucleic acids useful for treating
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
PA
      (SCHW-I)
                   SCHWAB M E.
      (CHEN-I)
                   CHEN M S.
      WO 2000031235 A2 20000602
PΙ
                                                 122p
      wo 1999-US26160 19991105
ΑI
PRAI
      US 1998-107446
                       19981106
DT
      Patent
      English
LA
      2000-400052 [34]
os
            ***Nogo***
                            ****
                                        ***protein***
DESC
      Rat
                                                          fragment used in the
      construction of mutant NiG-D4.
L6
      ANSWER 148 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY71388 Protein DGENE
***Nogo*** ***proteins*** and nucleic acids useful for treating
AN
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
ΙN
      (SCHW-I)
                   SCHWAB M E.
PA
      (CHEN-I)
                   CHEN M S.
      wo 2000031235 A2 20000602
PΙ
                                                122p
      wo 1999-US26160 19991105
ΑI
PRAI
      us 1998-107446
                      19981106
DT
      Patent
LA
      English
      2000-400052 [34]
os
           ***Nogo***
                            nene Anene
                                        ***protein***
DESC
      Rat
                                                          fragment used in the
      construction of mutant NiG-D3.
L6
      ANSWER 149 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY71387 Protein DGENE
***Nogo*** ***proteins***
ΑN
TT
                                        and nucleic acids useful for treating
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
      (SCHW-I)
                   SCHWAB M E.
PA
      (CHEN-I)
                  CHEN M S.
PΙ
      WO 2000031235 A2 20000602
                                                122p
      wo 1999-US26160 19991105
ΑI
      US 1998-107446
PRAI
                       19981106
DT
      Patent
      English
LA
      2000-400052 [34]
os
      Rat ***Nogo***
                            **** \D ** **
                                        ***protein*** fragment used in the
DESC
      construction of mutant NiG-D2.
L6
      ANSWER 150 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAY71386 Protein DGENE
***Nogo*** ***proteins***
AN
TI
                                          and nucleic acids useful for treating
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
TN
      Schwab M E; Chen M S
PA
      (SCHW-I)
                  SCHWAB M E.
      (CHEN-I)
                  CHEN M S.
```

122n

WO 2000031235 A2 20000602

PT

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wo 1999-us26160 19991105
AΤ
PRAI US 1998-107446
                        19981106
DΤ
      Patent
      English
LA
      2000-400052 [34]
os
                            ****A***
                                         ***protein***
                                                           fragment used in the
           ***Nogo***
DESC
      Rat
      construction of mutant NiG-D1.
      ANSWER 151 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
      ANSWER 131 0.

AAY71385 Protein DUENE ***proteins***
ΑN
                                          and nucleic acids useful for treating
TT
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
      (SCHW-I)
                   SCHWAB M E.
PA
      (CHEN-I)
                   CHEN M S.
                                                 122p
      wo 2000031235 A2 20000602
PΙ
      wo 1999-US26160 19991105
ΑI
      us 1998-107446
                        19981106
PRAI
DT
      Patent
LA
      English
      2000-400052 [34]
05
                                                                ***Nogo***
      Alternative version of rat neurite growth inhibitor
DESC
        ***B***
      ANSWER 152 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
      ANSWER 121 AAY71384 Protein DOLINE ***proteins***
AN
                                           and nucleic acids useful for treating
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
TN
                   SCHWAB M E.
PA
       (SCHW-I)
       (CHEN-I)
                   CHEN M S
      wo 2000031235 A2 20000602
                                                 122p
PΙ
      wo 1999-US26160 19991105
ΑI
      us 1998-107446
                        19981106
PRAI
DT
      Patent
LA
      English
      2000-400052 [34]
os
      Alternative version of rat neurite growth inhibitor
                                                                ***Nogo***
DESC
         ****
      ANSWER 153 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
      ANSWER 133 C.

AAY71383 Protein DGENE

***Nogo*** ***proteins***
AN
                                           and nucleic acids useful for treating
TI
       neoplastic disorders of the central nervous system and inducing
       regeneration of neurons -
      Schwab M E; Chen M S
IN
                   SCHWAB M E.
PA
       (SCHW-I)
       (CHEN-I)
                   CHEN M S.
       wo 2000031235 A2 20000602
                                                 122p
PΙ
      wo 1999-US26160 19991105
ΑI
      US 1998-107446
                        19981106
PRAI
DT
       Patent
LA
       English
       2000-400052 [34]
os
      Rat neurite growth inhibitor ***Nogo***
                                                        ***B***
DESC
       ANSWER 154 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
       ANJUNE TO AAY71312 Protein DUENE ***proteins***
AN
                                           and nucleic acids useful for treating
TI
       neoplastic disorders of the central nervous system and inducing
       regeneration of neurons -
       Schwab M E; Chen M S
IN
                   SCHWAB M E.
       (SCHW-I)
PA
       (CHEN-I)
                   CHEN M S.
       WO 2000031235 A2 20000602
PΙ
                                                  122p
       wo 1999-US26160 19991105
ΑI
      US 1998-107446
                       19981106
PRAI
DT
       Patent
       English
LA
OS
       2000-400052 [34]
       N-PSDB: AAD01175
CR
                                      ***Nogo***
DESC Rat neurite growth inhibitor
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ANSWER 155 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN

L6

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AAY71310 Protein Ducing
***proteins***
ΑN
                                          and nucleic acids useful for treating
TI
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
      Schwab M E; Chen M S
IN
                   SCHWAB M E.
PA
      (SCHW-I)
      (CHEN-I)
                   CHEN M S.
PΙ
      wo 2000031235 A2 20000602
                                                 122p
      wo 1999-us26160 19991105
ΑI
      US 1998-107446
                        19981106
PRAI
      Patent
DT
      English
LA
      2000-400052 [34]
os
      N-PSDB: AAD01173
CR
                                                       ****A***
                                      ***Nogo***
      Rat neurite growth inhibitor
DESC
      ANSWER 156 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
L6
                                DGENE
ΑN
      AAB24242 Protein
                               associated with cell stress response useful for
              ***protein***
      Novel
TI
      modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
      Wei D; Hālenbeck R; Williams L T
ΙN
                   CHIRON CORP
      (CHIR)
PA
      WO 2000060083 A1 20001012
                                                  68p
PI
      wo 2000-us9383
                        20000407
ΑI
                        19990408
PRAI
      US 1999-128372
      US 1999-140331
                        19990621
DT
      Patent
IA
      English
      2000-665007 [64]
os
      N-PSDB: AAC64406
CR
               ***Nogo***
                               ****B***
                                            ***protein***
                                                            sequence SEQ ID NO:2.
DESC
      Human
L6
      ANSWER 157 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
AN
      ABN86601 DNA
                           DGENE
      Promoting nerve regeneration and preventing neuronal degeneration in the
TI
      central/peripheral nervous system from injury/disease, comprises
      administering nervous system-specific activated T cells/antigen, or
      analogs/peptides
ΙN
      Eisenbach-Schwartz M; Hauben E; Cohen I R; Beserman P; Mosonego A; Moalem
PA
                   YEDA RES & DEV CO LTD.
      (YEDA)
      ùs 2002072493 A1 20020613
PΙ
                                                  93p
      US 2001-893348
                         20010628
ΑI
      IL 1998-124500
PRAI
                         19980519
                        19980721
      wo 1998-US14715
      us 1998-218277
                         19981222
      us 1999-314161
                         19990519
DT
      Patent
ΙΑ
      English
os
      2002-607255 [65]
      P-PSDB: ABB81078; ABB81079; ABB81080
CR
                                         ***protein***
                                                              ***Nogo***
                                                                            encoding
      Human neurotransmitter receptor
DESC
      ANSWER 158 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
AN
      ABN86600 DNA
                            DGENE
      Promoting nerve regeneration and preventing neuronal degeneration in the
TΙ
      central/peripheral nervous system from injury/disease, comprises
      administering nervous system-specific activated T cells/antigen, or
      analogs/peptides
      Eisenbach-Schwartz M; Hauben E; Cohen I R; Beserman P; Mosonego A; Moalem
IN
                   YEDA RES & DEV CO LTD.
PA
       (YEDA)
      US 2002072493 A1 20020613
                                                  93p
PΙ
      us 2001-893348
ΑI
                         20010628
      IL 1998-124500
PRAI
                         19980519
      wo 1998-US14715
                         19980721
      us 1998-218277
                         19981222
      US 1999-314161
                         19990519
DT
      Patent
      English
LA
      2002-607255 [65]
OS
      P-PSDB: ABB81074; ABB81076; ABB81077
CR
      Rat neurotransmitter receptor ***protein***
DESC
                                                           ***Nogo***
                                                                          encoding
```

DNIA

```
ANSWER 159 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
AN
      AAD01181 DNA
                            DGENE
                         ***proteins***
         ***Nogo***
TI
                                            and nucleic acids useful for treating
       neoplastic disorders of the central nervous system and inducing
       regeneration of neurons -
IN
      Schwab M E; Chen M S
                   SCHWAB M E.
PA
       (SCHW-I)
       (CHEN-I)
                    CHEN M S.
PΙ
      wo 2000031235 A2 20000602
                                                  122p
      wo 1999-US26160 19991105
ΑI
PRAI
      us 1998-107446
                         19981106
DT
      Patent
      English
LA
os
      2000-400052 [34]
DESC
      Consensus sequence for translation start site.
L6
      ANSWER 160 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAD01175 CDNA
ΑN
                             DGENE
TI
         ***Nogo***
                         ***proteins***
                                            and nucleic acids useful for treating
       neoplastic disorders of the central nervous system and inducing
       regeneration of neurons -
ΙN
      Schwab M E; Chen M S
                   SCHWAB M E.
PA
       (SCHW-I)
       (CHEN-I)
                   CHEN M S.
      WO 2000031235 A2 20000602
WO 1999-US26160 19991105
PT
                                                  122p
AΙ
      US 1998-107446
PRAI
                         19981106
DT
      Patent
LA
      English
      2000-400052 [34]
05
CR
      P-PSDB: AAY71312
                                      ***Nogo***
                                                         *****
DESC
      Rat neurite growth inhibitor
                                                                    CDNA .
L6
      ANSWER 161 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAD01173 CDNA
ΑN
                             DGENE
         ***Nogo***
                         ***proteins***
TI
                                            and nucleic acids useful for treating
      neoplastic disorders of the central nervous system and inducing
      regeneration of neurons -
TN
      Schwab M E; Chen M S
PA
       (SCHW-I)
                   SCHWAB M E.
       (CHEN-I)
                   CHEN M S.
      WO 2000031235 A2 20000602
PI
                                                  122p
      WO 1999-US26160
ΑI
                         19991105
PRAI
      US 1998-107446
                         19981106
DT
      Patent
LA
      English
      2000-400052 [34]
os
CR
      P-PSDB: AAY71310
DESC
      Rat neurite growth inhibitor
                                      ***Nogo***
                                                         ****
                                                                    CDNA.
L6
      ANSWER 162 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAC64410 RNA
ΑN
                            DGENE
               ***protein***
ΤI
                                associated with cell stress response useful for
      modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
TN
      Wei D; Halenbeck R; Williams L T
PΑ
      (CHIR)
                   CHIRON CORP.
      wo 2000060083 A1 20001012
PΙ
                                                   68p
      WO 2000-US9383
ΑI
                         20000407
      US 1999-128372
PRAI
                         19990408
      US 1999-140331
                         19990621
DT
      Patent
LA
      English
05
      2000-665007 [64]
              ***Nogo***
DESC
                              ****B****
                                          phosphorothioate antisense
      oligonucleotide SEQ ID NO:6.
L6
      ANSWER 163 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
      AAC64409 RNA
ΑN
                            DGENE
               ***protein***
TT
                                associated with cell stress response useful for
      modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
      Wei D; Halenbeck R; Williams L T
IN
PA
      (CHIR)
                   CHIRON CORP.
      WO 2000060083 A1 20001012
PΙ
                                                   68p
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20000407
      wo 2000-US9383
ΑI
                          19990408
      us 1999-128372
PRAI
      us 1999-140331
                          19990621
DT
      Patent
      English
LA
      2000-665007 [64]
Human ***Nogo***
os
                                 ***B***
                                            phosphorothioate antisense
DESC
      oligonucleotide SEQ ID NO:5.
      ANSWER 164 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
16
                             DGENE
       AAC64408
                 RNA
AN
                                  associated with cell stress response useful for
                ***protein***
TI
       modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
       Wei D; Hālenbečk R; Williams L T
IN
                    CHIRON CORP.
PA
       (CHIR)
                                                      68p
       WO 2000060083 A1 20001012
PΙ
       wo 2000-us9383
                          20000407
AΙ
       us 1999-128372
                          19990408
PRAI
                          19990621
       us 1999-140331
DT
       Patent
       English
LA
       2000-665007 [64]
0S
                ***Nogo***
                                 ******
                                             phosphorothioate antisense
DESC
       oligonucleotide SEQ ID NO:4.
       ANSWER 165 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
                              DGENE
                  RNA
AN
                                  associated with cell stress response useful for
                ***protein***
TI
       modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
       Wei D; Halenbeck R; Williams L T
IN
                     CHIRON CORP.
       (CHIR)
PΑ
       wo 2000060083 A1 20001012
                                                      68p
PΙ
       wo 2000-US9383
                           20000407
ΑI
                           19990408
       us 1999-128372
PRAI
                           19990621
       us 1999-140331
DT
       Patent
       English
LA
       2000-665007 [64]
Human ***Nogo***
OS
                                  ***B***
                                             phosphorothioate antisense
DESC
       oligonucleotide SEQ ID NO:3.
       ANSWER 166 OF 245 DGENE COPYRIGHT 2004 THOMSON DERWENT ON STN
L6
       AAC64406 CDNA
                               DGENE
 AN
                                  associated with cell stress response useful for
                ***protein***
 TT
       modulating stress levels, cell growth, diagnosis and treatment of cancer and malignant growth and for identifying agonists and antagonists -
       Wei D; Hālenbeck R; Williams L T
 IN
                     CHIRON CORP.
 PA
        (CHIR)
       WO 2000060083 A1 20001012
                                                       68p
 ΡI
       wo 2000-US9383
                           20000407
 ΑI
                           19990408
       us 1999-128372
 PRAI
                           19990621
       us 1999-140331
 DT
        Patent
        English
 LA
        2000-665007 [64]
 os
        P-PSDB: AAB24242
 CR
                                  ***B***
                                             nucleotide sequence SEQ ID NO:1.
                 ***Nogo***
 DESC
       Human
        ANSWER 167 OF 245 DRUGU COPYRIGHT 2004 THOMSON DERWENT ON STN
 L6
        2002-07207
                     DRUGU
 ΑN
        Spinal cord injury; hope for a cure.
 TI
        Ghirnikar R S; Baichwal N; Lee Y L; Eng L F
 ΑU
        Univ.Stanford
 CS
        Palo Alto; Stanford, Cal., USA
 LO
        Indian J.Pharm.Sci. (63, No. 5, 349-63, 2001) 3 Fig. 3 Tab. 98 Ref.
 SO
                               ISSN: 0250-474X
        CODEN: IJSIDW
        Scientific Writer, Genencor International Inc., 925 Page Mill Road, Palo
 ΑV
        Alto, CA 94304, U.S.A. (e-mail: rghirnikar@genencor.com).
        English
 LA
 DT
        Journal
        AB; LA; CT
 FA
 FS
        Literature
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ANGHED 168 OF 245 EMPAGE CODVETCHT 2004 FISEVIER THE ALL RIGHTS

. .

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RESERVED. on STN
                EMBASE
     2003398572
ΑN
       ***Nogo***
                    knockout: A lot of lessons.
TI
     Neuroscientist, (2003) 9/5 (297).
SO
     Refs: 4
     ISSN: 1073-8584 CODEN: NROSFJ
     United States
CY
ĎΤ
     Journal; Note
FS
     800
             Neurology and Neurosurgery
             Developmental Biology and Teratology
     021
     029
             Clinical Biochemistry
     English
1 A
     ANSWER 169 OF 245 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
L6
     RESERVED. on STN
     2003236263
AN
                 EMBASE
                                                    during Wallerian degeneration
                                  ***proteins***
     Sequential loss of myelin
ΤI
     in the rat spinal cord.
     Buss A.; Schwab M.E.
A. Buss, Winterthurerstrasse 190, 8057 Zurich, Switzerland.
ΑIJ
CS
     arminbuss@hotmail.com
     GLIA, (1 Jun 2003) 42/4 (424-432).
Refs: 34
50
     ISSN: 0894-1491 CODEN: GLIAEJ
CY
     United States
     Journal; Article
DT
FS
     800
             Neurology and Neurosurgery
LA
     English
SL
     English
     ANSWER 170 OF 245 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
L6
     RESERVED. on STN
ΑN
     2002455499
                 EMBASE
     Paralysis recovery in humans and model systems.
TI
ΑU
     Edgerton V.R.; Roy R.R.
     V.R. Edgerton, Brain Research Institute, University of California, Los
CS
     Angeles Brain Research Institute, 695 Charles E Young Drive South, Los
     Angeles, CA 90095-1761, United States. vre@ucla.edu
SO
     Current Opinion in Neurobiology, (1 \text{ Dec } 2002) 12/6 (658-667).
     Refs: 70
     ISSN: 0959-4388
                      CODEN: COPUEN
CY
     United Kingdom
     Journal: General Review
DT
             Neurology and Neurosurgery
FS
     800
             Drug Literature Index
     037
     English
LA
     English
SL
     ANSWER 171 OF 245 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
L6
     RESERVED. on STN
     2002454699 EMBASE
ΑN
     Increasing plasticity and functional recovery of the lesioned spinal cord.
ΤI
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     Schwab M.E.
     M.E. Schwab, Department of Neuromorphology, Brain Research Institute,
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     University of Zurich, Winterthurerstr. 190, 8057 Zurich, Switzerland.
     schwab@hifo.unizh.ch
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     Reorganization of descending motor tracts in the rat spinal cord.
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     Raineteau O.; Fouad K.; Bareyre F.M.; Schwab M.E.
     Dr. O. Raineteau, Brain Research Institute, University and ETH Zurich,
CS
     Winterthurerstrasse 190, 8057 Zurich, Switzerland. rainet@hifo.unizh.ch
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     Functional recovery after spinal cord injury: Basic science meets clinic. Schwab J.M.; Leppert C.A.; Kaps K.-H.; Monnier P.P. J.M. Schwab, Institute of Brain Research, University of Tubingen, Medical School, Calwerstr. 3, Tubingen, Germany. jmschwab@med.uni-tuebingen.de Trends in Neurosciences, (1 Aug 2001) 24/8 (437-439).
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      HINES VA HOSPITAL, PO BOX 1490
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TITLE (TI): Direct Submission
Submitted (07-MAY-2002)
University of Zurich au
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                                    Winterthurerstr.190, Zuerich 8057, Świtzerland
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                                 Oertle,T.; Huber,C.; van der Putten,H.; Schwab,M.E.
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    JOURNAL (SO):
                                 J. Mol. Biol., 325 (2), 299-323 (2003)
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Oertle,T.; Schwab,M.E.
REFERENCE:
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    JOURNAL (SO):
                                 Submitted (07-MAY-2002) Brain Research Institute,
                                 University of Zurich and ETH Zurich,
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TITLE (TI): JOURNAL (SO): Direct Submission

Submitted (07-MAY-2002) Nervous System Research,

Novartis Pharma Inc., Basel, Switzerland

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REFERENCE:
                                  Tashiro, H.; Yamazaki, M.; Watanabe, K.; Kumagai, A.; Itakura, S.; Fukuzumi, Y.; Fujimori, Y.; Komiyama, M.; Suzuki, Y.; Hata, H.; Nakagawa, K.; Mizuno, S.;
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                                  Morinaga, M.; Kawamura, M.; Sugiyama, T.; Irie, R.;
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Sugano, S.; Suzuki, Y.
Direct Submission
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                                  Submitted (08-JUL-2002) Sumio Sugano, Institute of
                                  Medical Science, University of Tokyo, Laboratory of
                                   Genome Structure, Human Genome Center; Shirokane-dai,
                                   4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail:flcdna@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286,
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COMMENT:
       contact: Mark Fredricksen
       Department of Plant Biology
       University of Illinois
       1201 W. Gregory Dr., Urbana, IL 61801, USA
       Tel: 2172655473
       Email: bohnertlab@life.uiuc.edu.
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REFERENCE:
     AUTHOR (AU):
                                  Wang, H.; Bohnert, H.J.
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                                  Genomics of plant stress tolerance
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                                                           Inhibits Neurite Outgrowth
                            and Cell Spreading with Three Discrete Regions
                            J. Neurosci., 23 (13), 5393-5406 (2003)
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                            CA 139:274379
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   AUTHOR (AU):
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   TITLE (TI):
                            Direct Submission
                            Submitted (23-DEC-2001) Brain Research Institute,
   JOURNAL (SO):
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      ANSWER 193 OF 245
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LOCUS (LOC):
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DATE (DATE):
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NUCLEIC ACID COUNT (NA): 204 a
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COMMENT:
      On Mar 7, 2002 this sequence version replaced gi:19239945.
      Contact: Ebbole DJ
      Department of Plant Pathology & Microbiology
      Texas A&M University
      Peterson Bldg, MS2132, College Station, TX 77843-2132, USA Tel: 979 845 4831
      Fax: 979 845 6483
      Email: d-ebbole@tamu.edu
      Chromatogram file of this sequence is available, see contact person
      ;Best nr hit (April. 22, 2003) gb|AAG40878.1|AF320999_1
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REFERENCE:
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                               Ebbole,D.J.; Yuan,J.; Thomas,T.L.; Bobrowicz,P.; Lu,G.;
    AUTHOR (AU):
                               Bhatterai, K.; Dean, R.A.
    TITLE (TI):
                               Expressed sequence tags from the rice blast fungus,
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Unpublished (2002)
    JOURNAL (SO):
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Unidirectional cloning. EcoRI side
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has T3 primer and predominantly 5' reads. T7 primer on XhoI side of insert. Minimal medium mycelium library. Sequences were processed by one of two methods. Where a full-length alignment to the M. grisea genome sequence was available, the EST sequence was trimed according to the alignment, otherwise sequence quality was assessed using phredPhrap version 991019 and trimmed according to phd files (0.05) and for vector seqs."

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     ANSWER 194 OF 245
L6
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DIVISION CODE (CI):
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DATE (DATE):
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KEYWORDS (ST):
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SOURCE:
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Magnaporthaceae; Magnaporthe
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NUCLEIC ACID COUNT (NA): 146 a
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                                                      123 t
COMMENT:
     on Mar 7, 2002 this sequence version replaced gi:19239696.
     Contact: Ebbole DJ
     Department of Plant Pathology & Microbiology
     Texas A&M University
     Peterson Bldg, MS2132, College Station, TX 77843-2132, USA Tel: 979 845 4831 Fax: 979 845 6483
     Email: d-ebbole@tamu.edu
     Chromatogram file of this sequence is available, see contact person
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      PCR PRimers
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REFERENCE:
                           Ebbole,D.J.; Yuan,J.; Thomas,T.L.; Bobrowicz,P.; Lu,G.; Bhatterai,K.; Dean,R.A.
   AUTHOR (AU):
                           Expressed sequence tags from the rice blast fungus,
   TITLE (TI):
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                           Unpublished (2002)
   JOURNAL (SO):
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Unidirectional cloning. EcoRI side
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                                               insert. Minimal medium mycelium
                                               library. Sequences were processed
                                               by one of two methods. Where a
                                               full-length alignment to the M.
                                               grisea genome sequence was available, the EST sequence was trimed according to the alignment,
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    181 accccgagaa acccgggaag agcaacatga acgctgtaac aatggccacc taggatcggg
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    481 tcaactcgac cgtccttttc agcaggaatt ggaagagatt ataatcctgt caactgaatc
    541 agcaacacca t
                               GENBANK.RTM. COPYRIGHT 2004 on STN
L6
      ANSWER 195 OF 245
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LOCUS (LOC):
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GenBank VERSION (VER):
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SEQUENCE LENGTH (SQL):
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                            18 Dec 2000
DATE (DATE):
                                            ***Nogo*** - ***A*** ***protein***
DEFINITION (DEF):
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                             human.
SOURCE:
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    AUTHOR (AU):
                             Jin,W.-L.; Ju,G.
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    TITLE (TI):
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    JOURNAL (SO):
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Jin,W.-L.; Ju,G.
 REFERENCE:
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    TITLE (TI):
                             Direct Submission
                             Submitted (12-NOV-2000) Institute of Neurosciences, No.
    JOURNAL (SO):
                             17 Chang Le West Road, Xian, Shannxi 710032, China
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1..2883

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L6
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DATE (DATE):
DEFINITION (DEF):
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SOURCE:
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NUCLEIC ACID COUNT (NA): 96 a
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COMMENT:
      Contact: Dr. Stephen Moore
      . Beef Genomics Laboratory
      Dept of AFNS, University of Alberta
410 Agri/For, Dept of AFNS, U of A, Edmonton, AB, T6G 2P5, Canada
Tel: 780 492 0169
      Fax: 780 492 4265
      Email: smoore@afns.ualberta.ca
      The sequence best matches gb:HSA251383 (Homo sapiens mRNA for ***Nogo*** - ***A*** ***protein*** ( ***Nogo***
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                             7/2000) in GenBank main database at
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   AUTHOR (AU):
                             Moore, S.S.; Li, C.; Fu, A.; Kneeland, J.; Meng, Y.;
                             Murdoch, G.; Dixon, W.; Christopherson, B.
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   JOURNAL (SO):
                             Unpublished (2000)
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      241 cccattgggg agggtcaggg aaagaacaat tttgtctctt gaccatttgc aag
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          ANSWER 197 OF 245
L6
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DIVISION CODE (CI):
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DATE (DATE):
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DEFINITION (DEF):
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***A*** ***protein*** , mRNA sequence.
                                                                                                                                 ***Nogo***
                                                   house mouse.
SOURCE:
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NUCLEIC ACID COUNT (NA): 52 a
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COMMENT:
           Contact: Yoshihide Hayashizaki
           Laboratory for Genome Exploration Research Group, RIKEN Genomic
           Sciences Center(GSC), Yokohama Institute
           The Institute of Physical and Chemical Research (RIKEN)
           1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
           Tel: 81-45-503-9222
           Fax: 81-45-503-9216
           Email: genome-res@gsc.riken.go.jp,
           URL:http://genome.gsc.riken.go.jp/
           Carninci, P., Nishiyama, Y., Westover, A., Itoh, M., Nagaoka, S., Sasaki, N., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
Thermostabilization and thermoactivation of thermolabile enzymes by
           trehalose and its application for the synthesis of full length
           cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
Itoh,M., Kitsunai,T., Akiyama,J., Shibata,K., Izawa,M., Kawai,J.
           Tomaru,Y., Carninci,P., Shibata,Y., Ozawa,Y., Muramatsu,M., Okazaki
            ,Y. and Hayashizaki,Y.
             Automated filtration-based high-throughput plasmid preparation
           system. Genome Res. 9 (5), 463-470 (1999)
             Carninci, P. and Hayashizaki, Y.
             High-efficiency full-length cDNA cloning. Methods Enzymol. 303,
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             Please visit our web site (http://genome.rtc.riken.go.jp) for
           further details.
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 REFERENCE:
                                                   Konno, H.; Aizawa, K.; Akahira, S.; Akiyama, J.; Arakawa, T.; Carninci, P.; Endo, T.; Fukuda, S.; Fukunishi, Y.; Hara, A.; Hayatsu, N.; Hirozane, T.; Hori, F.; Ishikawa, J.; Ishikawa, J.; Itoh, M.;
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Genome Science Laboratory in
RIKEN. Division of Experimental
Animal Research in Riken
contributed to prepare mouse
tissues. 1st strand cDNA was
primed with a primer [5
GAGAGAGAGAGCGCCGCAACTCGAGTTTTTTT
TTTTTTTVN 3'], cDNA was prepared by using trehalose
thermo-activated reverse
transcriptase and subsequently enriched for full-length by
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       ANSWER 198 OF 245
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NUCLEIC ACID COUNT (NA): 78 a
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COMMENT:
       Contact: Yoshihide Hayashizaki
       Laboratory for Genome Exploration Research Group, RIKEN Genomic
       Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222
       Fax: 81-45-503-9216
       Email: genome-res@gsc.riken.go.jp,
       URL:http://genome.gsc.riken.go.jp/
      Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki,N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
Thermostabilization and thermoactivation of thermolabile enzymes by
      trehalose and its application for the synthesis of full length cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
Itoh,M., Kitsunai,T., Akiyama,J., Shibata,K., Izawa,M., Kawai,J.,

Carpinci P. Shibata Y. Ozawa.Y.
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,Y. and Hayashizaki,Y.
       Automated filtration-based high-throughput plasmid preparation
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High-efficiency full-length cDNA cloning. Methods Enzymol. 303,
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       Please visit our web site (http://genome.rtc.riken.go.jp) for
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NUCLEIC ACID COUNT (NA): 60 a
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COMMENT:
       Contact: Yoshihide Hayashizaki
       Laboratory for Genome Exploration Research Group, RIKEN Genomic
       Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
       1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222
       Fax: 81-45-503-9216
       Email: genome-res@gsc.riken.go.jp,
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       Carninci, P., Nishiyama, Y., Westover, A., Itoh, M., Nagaoka, S., Sasaki, N., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
Thermostabilization and thermoactivation of thermolabile enzymes by
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       Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J., Tomaru, Y., Carninci, P., Shibata, Y., Ozawa, Y., Muramatsu, M., Okazaki
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REFERENCE:
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     ANSWER 200 OF 245
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LOCUS (LOC):
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NUCLEIC ACID COUNT (NA): 104 a
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COMMENT:
     Contact: Yoshihide Hayashizaki
     Laboratory for Genome Exploration Research Group, RIKEN Genomic
     Sciences Center(GSC), Yokohama Institute
     The Institute of Physical and Chemical Research (RIKEN)
     1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
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     Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki
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     Thermostabilization and thermoactivation of thermolabile enzymes by
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      Automated filtration-based high-throughput plasmid preparation
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                                                      GAGAGAGAGAGCGGCCGCAACTCGAGTTTTTTT
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Please visit our web site (http://genome.rtc.riken.go.jp) for

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    TITLE (TI):
                              Nature, 403 (6768), 383-384 (2000)
CA 132:249011
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Prinjha,R.; Moore,S.E.; Vinson,M.; Blake,S.; Morrow,R.; Christie,G.; Michalovich,D.; Simmons,D.L.; Walsh,F.S. Inhibitor of neurite outgrowth in humans
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AUTHOR (AU):

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   TITLE (TI):
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CA 132:249011
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COMMENT:
      Contact: Yoshihide Hayashizaki
       Laboratory for Genome Exploration Research Group, RIKEN Genomic
      Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
Tel: 81-45-503-9222
       Fax: 81-45-503-9216
       Email: genome-res@gsc.riken.go.jp,
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       Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki
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       Thermostabilization and thermoactivation of thermolabile enzymes by
      trehalose and its application for the synthesis of full length cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
Itoh,M., Kitsunai,T., Akiyama,J., Shibata,K., Izawa,M., Kawai,J.
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        Automated filtration-based high-throughput plasmid preparation
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High-efficiency full-length cDNA cloning. Methods Enzymol. 303,
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        Please visit our web site (http://genome.rtc.riken.go.jp) for
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      ANSWER 205 OF 245
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SOURCE:
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      Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
      Tel: 81-45-503-9222
      Fax: 81-45-503-9216
      Email: genome-res@gsc.riken.go.jp,
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      Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki,N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
      Thermostabilization and thermoactivation of thermolabile enzymes by
      trehalose and its application for the synthesis of full length
      CDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
       Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J.
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       Automated filtration-based high-throughput plasmid preparation
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Yoshida, K.; Yoshiki, A.; Yoshino, M..; Muramatsu, M.;
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RIKEN Mouse ESTs (Konno, H., et al.) TITLE (TI): JOURNAL (SO): Unpublished (2000)

FEATURES (FEAT):

Location Qualifier Feature Key

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contributed to prepare mouse tissues. 1st strand cDNA was primed with a primer [5

. GAGAGAGAGAAGGATCCAAGAGCTCTTTTTTTT TTTTTTVN 3'], cDNA was prepared

by using trehalose thermo-activated reverse transcriptase and subsequently enriched for full-length by cap-trapper. Second strand cDNA

was prepared with the primer adapter of sequence [5

modified pBluescript KS(+) after bulk excision from Lambda FLC I."

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ANSWER 206 OF 245 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): BB315575 GenBank (R) GenBank ACC. NO. (GBN): BB315575

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GenBank VERSION (VER): BB315575.1 GI:9022610 CAS REGISTRY NO. (RN): 278465-83-1

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mRNA; linear

MOLECULE TYPE (CI): DIVISION CODE (CI): Expressed sequence tag

DATE (DATE):

11 Jul 2000

DEFINITION (DEF):

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quadrigemina Mus musculus cDNA clone B230358M05 3 similar to AJ242961 Rattus norvegicus mRNA for ***Nogo*** - ***A*** ***protein***

sequence.

SOURCE: ORGANISM (ORGN): house mouse. Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;

Euteleostomi; Mammalia; Eutheria: Rodentia:

Sciurognathi; Muridae; Murinae; Mus

NUCLEIC ACID COUNT (NA): 109 a 88 c 66 q

COMMENT:

Contact: Yoshihide Hayashizaki

Laboratory for Genome Exploration Research Group, RIKEN Genomic

Sciences Center(GSC), Yokohama Institute

The Institute of Physical and Chemical Research (RIKEN)

```
Tel: 81-45-503-9222
      Fax: 81-45-503-9216
      Email: genome-res@gsc.riken.go.jp,
      URL:http://genome.gsc.riken.go.jp/
      Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki
       N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
      Thermostabilization and thermoactivation of thermolabile enzymes by
      trehalose and its application for the synthesis of full length cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998) Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J.
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       Automated filtration-based high-throughput plasmid preparation
      system. Genome Res. 9 (5), 463-470 (1999)
       Carninci,P. and Hayashizaki,Y.
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       Please visit our web site (http://genome.rtc.riken.go.jp) for
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REFERENCE:
   AUTHOR (AU):
                               Konno, H.; Aizawa, K.; Akahira, S.; Akiyama, J.;
                               Arakawa,T.; Carninci,P.; Endo,T.; Fukuda,S.;
Fukunishi,Y.; Hara,A.; Hayatsu,N.; Hirozane,T.;
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Izawa,M.; Kadota,K.; Kagawa,I.; Kai,C.; Kawai,J.;
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Mizuno,Y.; Nakamura,M.; Oda,H.; Okazaki,Y., Ono,T.y;
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                               RIKEN Mouse ESTs (Konno, H., et al.)
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                                                    Genome Science Laboratory in
                                                    RIKEN. Division of Experimental
Animal Research in Riken
                                                    contributed to prepare mouse
                                                    tissues. 1st strand cDNA was
                                                    primed with a primer [5
                                                    GAGAGAGAGAGGATCCAAGAGCTCTTTTTTTT
                                                    TTTTTTVN 3'], cDNA was prepared by using trehalose
                                                    thermo-activated reverse
                                                    transcriptase and subsequently enriched for full-length by
                                                    cap-trapper. cDNA went through one
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20.0 and subtraction to Rot = 459.0. Second strand cDNA was

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L6
      ANSWER 207 OF 245
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                                similar to AJ242961 Rattus norvegicus mRNA for
                                   ***Nogo***
                                                                       ***protein***
                                                       र रह रहे हैं ∧ रह रहे रहे
                                                                                            , mRNA
                                sequence.
SOURCE:
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 ORGANISM (ORGN):
                                Mus musculus
                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
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NUCLEIC ACID COUNT (NA): 87 a
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COMMENT:
       Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
       1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
      Tel: 81-45-503-9222
       Fax: 81-45-503-9216
       Email: genome-res@gsc.riken.go.jp,
       URL:http://genome.gsc.riken.go.jp/
      Carninci, P., Nishiyama, Y., Westover, A., Itoh, M., Nagaoka, S., Sasaki, N., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
       Thermostabilization and thermoactivation of thermolabile enzymes by
       trehalose and its application for the synthesis of full length
      cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J.
       Tomaru,Y., Carninci,P., Shibata,Y., Ozawa,Y., Muramatsu,M., Okazaki
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        Automated filtration-based high-throughput plasmid preparation
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       19-44 (1999)
        Please visit our web site (http://genome.rtc.riken.go.jp) for
       further details.
REFERENCE:
                                1 (bases 1 to 260)
    AUTHOR (AU):
                                Konno, H.; Aizawa, K.; Akahira, S.; Akiyama, J.;
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Yoshida,K.; Yoshiki,A.; Yoshino,M..; Muramatsu,M.;
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                                               RIKEN. Division of Experimental
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                                               contributed to prepare mouse
                                               tissues. 1st strand cDNA was
                                               primed with a primer [5
                                               GAGAGAGAGAAGGATCCAAGAGCTCTTTTTTTT
TTTTTTTVN 3'], cDNA was prepared
                                               by using trehalose
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                                               enriched for full-length by
                                               cap-trapper. cDNA went through one
                                               round of normalization to Rot = 20.0 and subtraction to Rot =
                                               459.0. Second strand cDNA was
                                               prepared with the primer adapter
                                               of sequence [5'
                                               GAGAGAGAGATTCTCGAGTTAATTAAATTAATCC
                                               CCCCCCCCC 3']. cDNA was cleaved
                                              with XhoI and BamHI. Vector: a modified pBluescript KS(+) after
                                               bulk excision from Lambda FLC I."
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      Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic
      Sciences Center(GSC), Yokohama Institute
      The Institute of Physical and Chemical Research (RIKEN) 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan Tel: 81-45-503-9222
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      trehalose and its application for the synthesis of full length
      CDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
       Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J.,
      Tomaru,Y., Carninci,P., Shibata,Y., Ozawa,Y., Muramatsu,M., Okazaki
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      19-44 (1999)
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REFERENCE:
                                  (bases 1 to 277)
    AUTHOR (AU):
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                                                     contributed to prepare mouse
                                                     tissues. 1st strand cDNA was
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                               sequence.
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COMMENT:
      Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
      Tel: 81-45-503-9222
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      Carninci,P., Nishiyama,Y., Westover,A., Itoh,M., Nagaoka,S., Sasaki,N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
      Thermostabilization and thermoactivation of thermolabile enzymes by
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                                                primed with a primer [5
                                                GAGAGAGAGAGGATCCAAGAGCTCTTTTTTTT
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Nogo - ***A***

COMMONCO

protein

, mRNA

source

L6

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SOURCE:
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NUCLEIC ACID COUNT (NA): 223 a
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COMMENT:
       on Jul 10, 2000 this sequence version replaced gi:9008569.
       Contact: Yoshihide Hayashizaki
       Laboratory for Genome Exploration Research Group, RIKEN Genomic
       Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
Tel: 81-45-503-9222
Fax: 81-45-503-9216
       Email: genome-res@gsc.riken.go.jp,
       URL:http://genome.gsc.riken.go.jp/
       Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh
      ,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.

Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new
       genes. Genome Res.. 10 (10), 1617-1630 (2000)
        wagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E.,
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       Hayashizaki,Y.
        RIKEN integrated sequence analysis (RISA) system--384-format
       sequencing pipeline with 384 multicapillary sequencer. Genome Res.. 10 (11), 1757-1771 (2000)
        Konno, H., Fukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara
       ,Y. and Hayashizaki,Ŷ.
        Computer-based methods for the mouse full-length cDNA
      encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res.. 11 (2), 281-289 (2001) Kondo, S., Shinagawa, A., Saito, T., Kiyosawa, H., Yamanaka, I., Aizawa
        K., Fukuda,S., Hara,A., Itoh,M., Kawai,J., Shibata,K. and
       Hayashizaki, Y.
        Computational Analysis of Full-Length Mouse cDNAs Compared with
       Human Genome Sequences Mamm. Genome. 12, 673-677 (2001)
Please visit our web site (http://genome.gsc.riken.go.jp/) for
       further details.
       cDNA library was prepared and sequenced in Mouse Genome
       Encyclopedia Project of Genome Exploration Research Group in Riken
       Genomic Sciences Center and Genome Science Laboratory in RIKEN.
       Division of Experimental Animal Research in Riken contributed to
       prepare mouse tissues.
REFERENCE:
                                 1 (bases 1 to 686)
                                 Arakawa, T.; Carninci, P.; Fukuda, S.; Furuno, M.;
    AUTHOR (AU):
                                 Hanagaki,T.; Hara,A., Hiramoto,K.; Hori,F.; Ishii,Y.;
                                nanayakı,ı., Hara,A., Hiramoto,k.; Hori,F.; Ishii,Y.; Ito,M.; Kawai,J.; Konno,H.; Kouda,M.; Koya,S.; Matsuyama,T.; Miyazaki,A.; Nomura,K.; Ohno,M.; Okazaki,Y.; Okido,T.; Saito,R.; Sakai,C.; Sakai,K.; Sano,H.; Sasaki,D.H; Shibata,K.; Shinagawa,A.; Shiraki,T.; Sogabe,Y.; Suzuki,H.; Tagami,M.; Tagawa,A.; Takahashi,F.; Takeda,Y.; Tanaka,T.; Toya,T.; Muramatsu,M.; Hayashizaki,Y.
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BamHI; cDNA library was prepared

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      ANSWER 211 OF 245
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GenBank VERSION (VER): BB059703
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***Nogo*** - ***A*** ***protein*** , mRNA
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SOURCE:
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NUCLEIC ACID COUNT (NA): 211 a
COMMENT:
      On Jun 11, 2000 this sequence version replaced gi:8466851.
      Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic
      Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
      Tel: 81-45-503-9222
      Fax: 81-45-503-9216
      Email: genome-res@gsc.riken.go.jp,
      URL:http://genome.gsc.riken.go.jp/
      Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh, M., Konno, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
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SEQUENCE (SEQ):

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prepare full-length cDNA libraries for rapid discovery of new
      genes. Genome Res.. 10 (10), 1617-1630 (2000)
       wagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E.,
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      Hayashizaki,Y.
       RIKEN integrated sequence analysis (RISA) system--384-format
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      Konno, H., Fukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara
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       Computer-based methods for the mouse full-length cDNA
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      Kondo,S., Shinagawa,A., Saito,T., Kiyosawa,H., Yamanaka,I., Aizawa,K., Fukuda,S., Hara,A., Itoh,M., Kawai,J., Shibata,K. and
      Hayashizaki,Y.
       Computational Analysis of Full-Length Mouse cDNAs Compared with
      Human Genome Sequences Mamm. Genome. 12, 673-677 (2001)
Please visit our web site (http://genome.gsc.riken.go.jp/) for
      further details.
      CDNA library was prepared and sequenced in Mouse Genome
      Encyclopedia Project of Genome Exploration Research Group in Riken
      Genomic Sciences Center and Genome Science Laboratory in RIKEN.
      Division of Experimental Animal Research in Riken contributed to
      prepare mouse tissues.
                             1 (bases 1 to 610)
REFERENCE:
                             Arakawa, T.; Carninci, P.; Fukuda, S.; Furuno, M.;
   AUTHOR (AU):
                             Hanagaki, T.; Hara, A., Hiramoto, K.; Hori, F.; Ishii, Y.;
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Sano,H.; Sasaki,D.H; Shibata,K.; Shinagawa,A.;
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Muramatsu,M.; Hayashizaki,Y.
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                                                 Genome Science Laboratory in
                                                 RIKEN. Division of Experimental
Animal Research in Riken
                                                 contributed to prepare mouse
                                                 tissues. 1st strand cDNA was
                                                 primed with a primer [5]
                                                 GAGAGAGAGGATCCAAGAGCTCTTTTTTTT
                                                 TTTTTTVN 3'], cDNA was prepared
                                                 by using trehalose
                                                 thermo-activated reverse
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                                                 enriched for full-length by
                                                 cap-trapper. Second strand cDNA
                                                 was prepared with the primer adapter of sequence [5'
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CACAGAGAGATTCTCGAGTTAATTAAATTAATCC

CCCCCCCCC 3']. cDNA was cleaved with XhoI and BamHI. Vector: a modified pBluescript KS(+) after bulk excision from Lambda FLC I. Cloning sites, 5' end: SalI; 3' end: BamHI. Host: DH10B. ~RNA was provided by Akira Nakagawara, Div. of Biochemistry, Chiba Cancer Center Research Institute, 666-2 Nitona, Chuoh-ku, Chiba, 260-8717 Japan, whose assistance we gratefully acknowledge

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      ANSWER 212 OF 245
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L6
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SOURCE:
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NUCLEIC ACID COUNT (NA): 89 a
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COMMENT:
      Contact: Yoshihide Hayashizaki
      Laboratory for Genome Exploration Research Group, RIKEN Genomic
      Sciences Center(GSC), Yokohama Institute
      The Institute of Physical and Chemical Research (RIKEN)
      1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
      Tel: 81-45-503-9222
      Fax: 81-45-503-9216
      Email: genome-res@gsc.riken.go.jp
      URL:http://genome.gsc.riken.go.jp/
      Carninci, P., Nishiyama, Y., Westover, A., Itoh, M., Nagaoka, S., Sasaki
       N., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
      Thermostabilization and thermoactivation of thermolabile enzymes by
      trehalose and its application for the synthesis of full length cDNA. Proc. Natl. Acad. Sci. U.S.A. 95 (2), 520-524 (1998)
       Itoh, M., Kitsunai, T., Akiyama, J., Shibata, K., Izawa, M., Kawai, J.
      Tomaru,Y., Carninci,P., Shibata,Y., Ozawa,Y., Muramatsu,M., Okazaki
      ,Y. and Hayashizaki,Y.
       Automated filtration-based high-throughput plasmid preparation
      system. Genome Res. 9 (5), 463-470 (1999)
       Carninci,P. and Hayashizaki,Y.
High-efficiency full-length cDNA cloning. Methods Enzymol. 303,
      19-44 (1999)
       Please visit our web site (http://genome.rtc.riken.go.jp) for
      further details.
REFERENCE:
                            1 (bases I to 295)
Konno,H.; Aizawa,K.; Akahira,S.; Akiyama,J.;
Arakawa,T.; Carninci,P.; Endo,T.; Fukuda,S.;
                            1 (bases 1 to 293)
   AUTHOR (AU):
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Hori,F.; Ishii,Y.; Ishikawa,J.; Ishikawa,T.; Itoh,M.; Izawa,M.; Kadota,K.; Kagawa,I.; Kai,C.; Kawai,J.;
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                                                       Owa, C.; Saito, H.; Sakai, C.; Sato, K.; Shibata, K.; Shibata, Y.,; Shibata, Y.; Shibata, Y.; Shibata, Y.; Shibata, Y.; Shibata, Y.; Suzuki, H.; Suzuki, H.; Tagawa, A.; Takahashi, F.; Tominaga, N.; Toya, T.a; Tsunoda, Y.; Watahiki, A.; Watanabe, S.; Yamamura, T.; Yamanaka, I., Yano, R.H; Yasunishi, A.; Yokhida K.; Yoshiki, A.; Yoshiki, A.; Washina M.; Washida K.; Yoshiki, A.; Yoshiki, A.; Washina M.; Washina M.
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                                                                                              Genome Science Laboratory in
                                                                                              RIKEN. Division of Experimental
                                                                                              Animal Research in Riken
                                                                                              contributed to prepare mouse
                                                                                              tissues. 1st strand cDNA was
                                                                                              primed with a primer [5
                                                                                              GAGAGAGAAGGATCCAAGAGCTCTTTTTTTT
                                                                                              TTTTTTVN 3'], cDNA was prepared by using trehalose
                                                                                              thermo-activated reverse
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                                                                                              enriched for full-length by
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                                                                                             was prepared with the primer adapter of sequence [5'
                                                                                             with XhoI and BamHI. Vector: a
                                                                                              modified pBluescript KS(+) after
                                                                                              bulk excision from Lambda FLC I.
                                                                                              Cloning sites, 5' end: SalI; 3'
                                                                                              end: BamHI. Host: DH10B. ~RNA was
                                                                                              provided by Akira Nakagawara, Div.
                                                                                             of Biochemistry, Chiba Cancer
Center Research Institute, 666-2
                                                                                             Nitona, Chuoh-ku, Chiba, 260-8717
                                                                                              Japan, whose assistance we
                                                                                             gratefully acknowledge
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         ANSWER 213 OF 245
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TITLE (TI):

FEATURES (FEAT): Feature Key

SEQUENCE (SEQ):

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GenBank (R)

JOURNAL (SO):

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                              Chen, M.S.; Huber, A.B.; van der Haar, M.E.; Frank, M.;
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                              Nature, 403 (6768), 434-439 (2000)
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    AUTHOR (AU):
                              Van der Haar, M.E.
                              Direct Submission
    TITLE (TI):
                              Submitted (14-JUN-1999) Van der Haar M.E., Department
    JOURNAL (SO):
                              of Neuromorphology, Brain Research Institute,
                              University of Zurich, Winterthurerstrasse 190, Zurich,
                              CH-8057, SWITZERLAND
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L6
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DATE (DATE):
                             28 Jan 2000
DEFINITION (DEF):
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                             Chen, M.S.; Huber, A.B.; van der Haar, M.E.; Frank, M.;
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***Nogo*** - ***A*** is a myelin-associated
   TITLE (TI):
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                             monoclonal antibody IN-1
                             Nature, 403 (6768), 434-439 (2000)
   JOURNAL (SO):
                             CA 132:277085
   OTHER SOURCE (OS):
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   AUTHOR (AU):
                             Van der Haar, M.E.
   TITLE (TI):
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   JOURNAL (SO):
                             Submitted (14-JUN-1999) Van der Haar M.E., Department
                             of Neuromorphology, Brain Research Institute,
University of Zurich, Winterthurerstrasse 190, Zurich,
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DATE (DATE):
                               28 Jan 2000
DEFINITION (DEF):
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SOURCE:
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***Nogo*** - ***A*** is a myelin-associated
   TITLE (TI):
                               neurite outgrowth inhibitor and an antigen for
                               monoclonal antibody IN-1
                              Nature, 403 (6768), 434-439 (2000) CA 132:277085
    JOURNAL (SO):
   OTHER SOURCE (OS):
REFERENCE:
                                  (bases 1 to 4684)
   AUTHOR (AU):
                              Van der Haar, M.E.
   TITLE (TI):
                              Direct Submission
    JOURNAL (SO):
                              Submitted (14-JUN-1999) Van der Haar M.E., Department
                               of Neuromorphology, Brain Research Institute
                               University of Zurich, Winterthurerstrasse 190, Zurich,
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L6
       10441841 IFIPAT; IFIUDB; IFICDB
ΑN
TI
       NOVEL HUMAN LEUCINE-RICH REPEAT DOMAIN CONTAINING
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       Feder John N; Mintier Gabriel; Ramanathan Chandra S
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PI
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DT
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FS
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CLMN
       20
        10 Figure(s).
GΙ
      FIGS. 1A-C show the polynucleotide sequence (SEQ ID NO:1) and deduced
       amino acid sequence (SEQ ID NO:2) of the novel human leucine-rich repeat containing ***protein*** , HLLRCR-1, of the present invention. The
       containing ***protein*** , HLLRCR-1, of the present invention. The standard one-letter abbreviation for amino acids is used to illustrate
       the deduced amino acid sequence. The polynucleotide sequence contains a
```

sequence of 1874 nucleotides (SEQ_ID_NO:1), encoding a polypeptide of 592

amino acids (SEQ ID NO:2). An analysis of the HLLRCR-1 polypeptide

```
determined that it comprised the following features: a predicted
    transmembrane domain located from about amino acid 291 to about amino
   acid 312 of SEQ ID NO:2 represented by double underlining; six conserved leucine rich repeat domains located from about amino acid 58 to about
    amino acid 81, from about amino acid 82 to about amino acid 107, from
   about amino acid 108 to about amino acid 131, from about amino acid 132 to about amino acid 155, from about amino acid 158 to about amino acid 181, and/or from about amino acid 182 to about amino acid 204 of SEQ ID NO:2 represented by light shading; and a conserved leucine-rich repeat C-terminal domain located from about amino acid 214 to about amino acid
  C-terminal domain located from about amino acid 214 to about amino acid 270 of SEQ ID NO:2 represented by dark shading; conserved cysteine residues located at amino acid 11, 217, 219, 247, 307 and/or 425 of SEQ ID NO:2 represented in bold; and conserved leucine residues located at amino acid 4, 25, 37, 45, 55, 58, 61, 63, 87, 97, 106, 108, 111, 113, 122, 132, 135, 137, 146, 155, 158, 161, 163, 179, 192, 187, 192, 203, 206, 208, 210, 225, 228, 264, 277, 306, 317, 357, 402, 419, 439, 451, 454, 465, 490, 495, and/or 499 of SEQ ID NO:2 represented by single underlining. The conserved leucine residues are characteristic of
   underlining. The conserved leucine residues are characteristic of leucine-rich repeat ***proteins*** as described more particularly
   elsewhere herein. The conserved cysteine residues are diagnostic of conserved structural features of the ***protein*** to leucine-ri repeat containing ***proteins*** (particularly those referenced
                                                                                                                                            to Teucine-rich
                                                                                                                       ***protein***
   herein), and may be indicative of conserved
 FIGS. 2A-C show the regions of identity between the encoded HLLRCR-1 ***protein*** (SEQ ID NO:2) to other leucine-rich repeat
                                                 (SEQ ID NO:2) to other leucine-rich repeat
, specifically, the human ***NoGo*** receptor
(Human_NOGOR; Genbank Accession No:gi vert-bar 13647496;
         ***proteins***
         ***protein***
   SEQ ID NO:6); the mouse
   SEQ ID NO:6); the mouse ***Nouse receptor.
(Mouse_NogoR; Genbank Accession No:gi vert-bar 12407651; SEQ ID NO:8);
the craheating macague brain ***protein*** 1 (Macaca_brainprotein1;
                                                                     ***NoGo***
                                                                                                    receptor ***protein***
   Genbank Accession No:gi vert-bar 12698137; SEQ ID NO:5); the crabeating macaque brain ***protein*** 2 (Macaca brainprotein2; Genbank
   Accession No:gi vert-bar 9280025; SEQ ID No:7); the Drosophila CG7509

***protein*** (Fly_CG7509: Genbank Accession No:gi vert-bar 9280025)
   ***protein*** (Fly_CG7509; Genbank Accession No:gi vert-bar 7292539; SEQ ID NO:9); and the mouse orphan G ***protein*** -coupled receptor FEX ***protein*** (mouse_GPCRFEX; Genbank Accession No:gi vert-bar 6753842; SEQ ID NO:10). The alignment was performed using the CLUSTALW 373071thm doscribed alsowbers benefit
   algorithm described elsewhere herein. Lines between residues indicate
   gapped regions of non-identity for the aligned polypeptides, asterisks below the aligned polypeptides indicate identical amino acids for all of
  the aligned polypeptides, double dots indicate identical amino aicds for less than all of the aligned polypeptides, and single dots indicate similar amino acid residues. The conserved leucine residues between HLLRCR-1 and the other leucine-rich repeat containing ***proteins***
   are noted.
FIG. 3 shows the regions of local identity and similarity between the encoded HLLRCR-1 ***protein*** (SEQ ID NO:2) to the human Pfam
                                                                                       (SEQ ID NO:2) to the human Pfam
  Leucine rich repeat C-terminal domain consensus sequence (LRRCT; Pfam Accession No: PF01463). The query ("Q") sequence represents the local matching sequence of the HLLRCR-1 ***protein*** (SEQ ID NO:2), whereas the target ("T") represents the human Pfam Leucine rich repeat
  C-terminal domain consensus sequence. The alignment was performed using the BLAST2 algorithm according to default parameters (SF Altschul, et al., Nucleic Acids Res 25:3389-3402, 1997). The amino acids between the
  query and target sequences represent matching identical amino acids between the two sequences. Plus signs ("+") between the query and target
   sequences represent similar amino acids between the two sequences. Dots
("*") between the query and target sequences indicate regions of non-identity for the aligned polypeptides. The conserved leucines between HLLRCR-1 and the consensus Leucine rich repeat C-terminal domain polypeptide sequence are noted and described herein.

FIG. 4 shows the regions of local identity and similarity between the encoded HLLRCR-1 ***protein*** (SEQ ID NO:2) to the human Pfam
  Leucine Rich Repeat consensus sequence (LRR; Pfam Accession No: PF00560). The query ("Q") sequence represents the local matching sequence of the HLLRCR-1 ***protein*** (SEQ ID NO:2), whereas the target ("T")
  represents the human Pfam LRR consensus sequence. The alignment was
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  non-identity for the aligned polypeptides. The conserved leucines between
  HLLRCR1 and the consensus LRR polypeptide sequence are noted and
```

described herein.

FIG. 5 shows an expression profile of the novel leucine-rich repeat containing ***protein*** , HLLRCR-1. The figure illustrates the relative expression level of HLLRCR-1 amongst various mRNA tissue sources. As shown, transcripts corresponding to HLLRCR-1 expressed predominately high in the heart; significantly in testis; and to a lesser extent, in brain, spinal cord, and brain subregions. Expression data was obtained by measuring the steady state HLLRCR-1 mRNA levels by quantitative PCR using the PCR primer pair provided as SEQ ID NO:20 and 21 as described herein. Brain subregion abbreviations are as follows: A=amygdala; C=cerebellum; CC=corpus callosum; CN=caudate nucleus; H=hippocampus; SN=substantia nigra; and T=thalamus. FIG. 6 shows a table illustrating the percent identity and percent similarity values between the full-length HLLRCR-1 polypeptide of the present invention with other leucine-rich repeat containing ***NoGo*** ***proteins*** , specifically, the human ***protein*** (Human_NOGOR; Genbank Accession No:gi vert-bar 13647496; SEQ ID NO:6); the mouse ***NoGo*** receptor ***protein***

(Mouse_NogoR; Genbank Accession No:gi vert-bar 12407651; SEQ ID No:8); the crab-eating macaque brain ***protein*** 1 (Macaca_brainprotein1; Genbank Accession No:gi vert-bar 12698137; SEQ ID No:5); the crab-eating macaque brain ***protein*** 2 (Macaca_brainprotein2; Genbank Accession No:gi vert-bar 9280025; SEQ ID No:7); the Drosophila CG7509
protein (Fly_CG7509; Genbank Accession No:gi vert-bar 72025 ***protein*** (Fly_CG7509; Genbank Accession No:gi vert-bar 7292539; SEQ ID NO:9); and the mouse orphan G ***protein*** -coupled receptor FEX ***protein*** (mouse_GPCRFEX; Genbank Accession No:gi vert-bar 6753842; SEQ ID NO:10). The percent identity and percent similarity values were determined using the BLAST algorithm using default parameters (S F Altschul, T L Madden, A A Schaffer, J Zhang, Z Zhang, W Miller, D J Lipman. Gapped BLAST and PSI-BLAST: a new generation of ***protein*** database search programs Nucleic Acids Res 25:3389-3402 1997) database search programs. Nucleic Acids Res 25:3389-3402, 1997). FIG. 7 shows the polynucleotide and polypeptide sequence of a portion of human bac AL139285. The polynucleotide sequence of bac AL139285 (SEQ ID NO:45) was used to design oligonucleotide primers to clone the human HLRRCR-1 gene of the present invention, as described elsewhere herein. FIG. 8 shows an expanded expression profile of the novel human Gprotein coupled receptor, HLRRCR-1, of the present invention. The figure illustrates the relative expression level of HLRRCR1 amongst mRNA isolated from a number of cancer cell lines. As shown, the HLRRCR-1 polypeptide was expressed predominately in several lung cancer cell lines, significantly in a colon tumor cell lines, and to a lesser extent in other human tumor cell lines as shown. The results suggest HLRRCR-1 may be diagnostic of transformed phenotypes of the lung and colon cancers. Expression data was obtained by measuring the steady state HLRRCR-1 mRNA levels by quantitative PCR using the PCR primer pair provided as SEQ ID NO:89 and 90 as described in Example 5 herein. FIG. 9 shows an expanded expression profile of the novel human Gprotein coupled receptor, HLRRCR-1. The figure illustrates the relative expression level of HLRRCR-1 amongst various mRNA tissue sources isolated from normal tissues. As shown, the HLRRCR-1 polypeptide was expressed predominately in hippocampus and throughout the cortex of the brain. HLRRCR-1 was also significant expressed in the left ventricle of the heart, the DRG, and to a lesser extent in other tissues as shown. Expression data was obtained by measuring the steady state HLRRCR-1 mRNA levels by quantitative PCR using the PCR primer pair provided as SEQ ID NO:94 and 95, and Taqman probe (SEQ ID NO:96) as described in Example 6 herein. ***protein***

FIG. 10 shows an expanded expression profile of the novel human G***protein*** coupled receptor, HLRRCR-1, of the present invention. The
figure illustrates the relative expression level of HLRRCR1 amongst
various mRNA tissue sources isolated from normal and tumor tissues. As
shown, the HLRRCR-1 polypeptide was differentially expressed in
Parkinson's substantia nigra tissue compared to each respective normal
tissue. Expression data was obtained by measuring the steady state
HLRRCR-1 mRNA levels by quantitative PCR using the PCR primer pair
provided as SEQ ID NO:94 and 95, and Taqman probe (SEQ ID NO:96) as
described in Example 6 herein.

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ΑN
        ***NOGO*** RECEPTOR HOMOLOGS
ΤI
      Cate Richard L; Sah Dinah W Y; Strittmatter Stephen M
IN
P\Delta
      Unassigned Or Assigned To Individual (68000)
PΙ
      US 2003124704
                     A1 20030703
ΑI
      US 2001-972546
                          20011006
PRAI
      US 2000-238361P
                          20001006 (Provisional)
      US 2003124704
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DT Utility; Patent Application - First Publication FS CHEMICAL APPLICATION CLMN 30 3 Figure(s). GΙ FIGS. IA-1B shows an alignment of NgR2 (SEQ ID NO:2) and NgR3 (SEQ ID NO:4) with the known NgR, NgR1 (SEQ ID NO:5) and the Consensus Sequence (SEQ ID NO:6). FIG. 2. mNgR3 does not bind hNogoA(1055-1120). COS-7 cells were transfected with vectors encoding myc-NgR1 or myc-NgR3, fixed, and stained with anti-myc antibodies or AP-hNogoA(1055-1120). FIG. 3. An alignment of the amino acid sequences of human NgR1, murine NgR1, murine NgR3, human NgR3 and human NgR2. Numbering begins with amino acid #1 of murine NgR3. The consensus sequence is listed below. The LRR NT domain is indicated by a shaded box; domains LLR 1, LLR 3, LLR 5, and LLR 7 are indicated by open boxes; LLR 2, LLR 4, LLR 6 and LLR 8 are indicated by shaded boxes; and the LLR CT domain is indicated by a shaded box. Amino acids in bold in LLR 8 indicate a conserved glycosylation sites. A dot indicates conserved cystine residue in LRR4. Box at C terminus indicates putative GPI signals. ANSWER 218 OF 245 IFIPAT COPYRIGHT 2004 IFI on STN 10316198 IFIPAT; IFIUDB; IFICDB ***NOGO*** METHOD AND REAGENT FOR THE INHIBITION OF Blatt Lawrence; Chowrira Bharat M; Haeberli Peter; McSwiggen James

L6 ΑN ΤI IN Unassigned Or Assigned To Individual (68000) US 2003060611 A1 20030327 PA PΙ us 2001-780533 20010209 ΑI US 2000-181797P 20000211 (Provisional) PRAI us 2003060611 20030327 FΙ DT Utility; Patent Application - First Publication FS CHEMICAL **APPLICATION**

CLMN 55 GI

5 Figure(s). FIG. 1 shows the secondary structure model for seven different classes of enzymatic nucleic acid molecules. Arrow indicates the site of cleavage.-indicate the target sequence. Lines interspersed with dots are meant to indicate tertiary interactions.-is meant to indicate base-paired interaction. Group I Intron: P1-P9.0 represent various stem-loop structures (Cech et al., 1994, Nature Struc. Bio., 1, 273). RNase P (M1RNA): EGS represents external guide sequence (Forster et al., 1990, Science, 249, 783; Pace et al., 1990, J. Biol. Chem., 265, 3587). Group II Intron: 5'SS means 5' splice site; 3'SS means 3'splice site; IBS means intron binding site; EBS means exon binding site (Pyle et al, 1994, Biochemistry, 33, 2716). VS RNA: I-VI are meant to indicate six stem-loop structures; shaded regions are meant to indicate tentiary interaction structures; shaded regions are meant to indicate tertiary interaction (Collins, International PCT Publication No. WO 96/19577). HDV Ribozyme: : I-IV are meant to indicate four stem-loop structures (Been et al., U.S. Pat. No. 5,625,047). Hammerhead Ribozyme: : I-III are meant to indicate three stem-loop structures; stems I-III can be of any length and may be symmetrical or asymmetrical (Usman et al., 1996, Curr. Op. Struct. Bio., 1,527). Hairpin Ribozyme: Helix 1, 4 and 5 can be of any length; Helix 2 is between 3 and 8 base-pairs long; Y is a pyrimidine; Helix 2 (H2) is provided with a least 4 base pairs (i.e., n is 1, 2, 3 or 4) and helix 5 can be optionally provided of length 2 or more bases (preferably 3-20 bases i.e. m is from 1-20 or more). Helix 2 and helix 5 may be m is from 1-20 or more). Helix 2 and helix 5 may be covalently linked by one or more bases (i.e., r is greater-double-equals 1 base). Helix 1, 4 or 5 may also be extended by 2 or more base pairs (e.g., 4-20 base pairs) to stabilize the ribozyme structure, and preferably is a ***protein*** binding site. In each instance, each N and N' independently is any normal or modified base and each dash represents a potential base-pairing interaction. These nucleotides may be modified at the sugar, base or phosphate. Complete base-pairing is not required in the helices, but is preferred. Helix 1 and 4 can be of any size (i. e., o and p is each independently from 0 to any number, e.g., 20) as long as some base-pairing is maintained. Essential bases are shown as specific bases in the structure, but those in the art will recognize that one or more may be modified chemically (abasic, base, sugar and/or phosphate modifications) or replaced with another base without significant effect. Helix 4 can be formed from two separate molecules, i.e., without a connecting loop. The connecting loop when present may be a ribonucleotide with or without modifications to its base, sugar or phosphate. "q" greater-double-equals is 2 bases. The connecting loop can also be replaced with a non-nucleotide linker molecule. H refers to bases A, U, or C. Y refers to pyrimidine bases. ' '____" refers to a covalent

bond. (Burke et al., 1996, Nucleic Acids & Mol. Biol., 10, 129; Chowrira et al., U.S. Pat. No. 5,631,359). FIG. 2 shows examples of chemically stabilized ribozyme motifs. HH Rz, represents hammerhead ribozyme motif (Usman et al., 1996, Curr. op Struct. Bio., 1, 527); NCH Rz represents the NCH ribozyme motif (Ludwig & Sproat, International PCT Publication No. WO 98/58058); G-Cleaver, represents G-cleaver ribozyme motif (Kore et al., 1998, Nucleic Acids Research 26, 4116-4120, Eckstein et al., International PCT publication No. WO 99/16871). N or n, represent independently a nucleotide which may be same or different and have complementarity to each other; rI, represents ribo-Inosine nucleotide; arrow indicates the site of cleavage within the target. Position 4 of the HH Rz and the NCH Rz is shown as having 2'-C-allyl modification, but those skilled in the art will recognize that this position can be modified with other modifications well known in the art, so long as such modifications do not significantly inhibit the activity of the ribozyme. FIG. 3 shows an example of the Amberzyme ribozyme motif that is chemically stabilized (see for example Beigelman et al., International PCT publication No. WO 99/55857) FIG. 4 shows an example of the Zinzyme A ribozyme motif that is chemically stabilized (see for example Beigelman et al., Beigelman et al., International PCT publication No. WO 99/55857) . FIG. 5 shows an example of a DNAzyme motif described by Santoro et al.. 1997, PNAS, 94, 4262. ANSWER 219 OF 245 IFIPAT COPYRIGHT 2004 IFI on STN 10239557 IFIPAT; IFIUDB; IFICDB USE OF HARPAGID-RELATED COMPOUNDS FOR PREVENTION AND TREATMENT OF OSTEOPOROSIS, ARTHRITIS AND RUPTURED DISC AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME Han Yong Nam (KR); Kim Sang Tae (KR); Shin Joon Shik (KR) Unassigned Or Assigned To Individual (68000) US 2002183264 A1 20021205 us 2001-995691 20011129 KR 2000-71497 20001129 US 2002183264 20021205 Utility; Patent Application - First Publication CHEMICAL APPLICATION 18 Figure(s). FIG. 1 shows (a) the flowchart of a process for recovering the dry weight of the pharmaceutical composition by extraction of the constituent drug with distilled water and an organic solvent, concentration under reduced pressure and lyophilization, and (b) the flowchart of the procedures for extracting the organic fraction according to the process for extracting the effective component. FIG. 2 shows (a) the causal mechanism of invasion, (b) the invaded portions, and (c) the route for transmitting molecular biological signals of invasive process in joint at which arthritis as the typical one of bone diseases is invaded. FIG. 3 shows the survival and cytomorphological appearance of synovial cells in joint portion at which arthritis as the typical chronic and degenerative bone diseases is invaded. FIG. 4 shows the 70-days inhibitory effect on edema as one of chronic and degenerative osteopathological symptoms of arthritis by treating the induced edema with respective fractions obtained as the organic solvent fractions of the pharmaceutical composition in an amount of 75 mu g/ml for 2 weeks via oral route. FIG. 5 shows the number and distribution pattern of CAM observed for 3 days by treating the fertilized egg with the effective component as the organic solvent extract in the concentration of 10 mu g/ml, incubating the egg in an incubator at 37 degrees C. for 2 days and then carefully injecting 5 x 103 synovial cells on CAM via syringe. FIG. 6 is H/E tissue staining which shows the rupture extent of cartilaginous tissue after 70 days from the treatment of arthritis-induced animal with the water extract of the pharmaceutical composition at the concentration given in FIG. 9.
FIG. 7 is (a) a bar graph showing the inhibition of NO formation when Raw 264.7 cell lines are treated with the organic solvent fraction of a single drug of the pharmaceutical composition at the concentration of 10 mu g/ml for 24 hours an then stimulated with LPS, and (b) a bar graph showing the inhibition of NO formation when the cell lines treated with CBB fraction and LNE fraction as the organic solvent fractions are stimulated with LPS according to the same manner as above (a).

FIG. 8 shows (a) the induction pattern of apoptosis when Raw 264. 7 cell

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lines are treated with the organic fraction of the effective component at the concentration of about 20 $^{*}g/ml$ and then stimulated with LPS, and (b) the result of observing whether the synovial cells show the same pattern according to the same method as above (a).
FIG. 9 shows (a) the result of flow cytometry to determine the effect on cell cycle by treating Raw 264.7 cell lines with the organic fraction of the effective component at the concentration of about 20 mu g/ml and then stimulating with LPS and (b) the result of observing whether the synovial cells show the same appearance according to the same method as above (a). FIG. 10 shows the inhibitory effect on the expression of COX-II enzyme
protein as measured by SDS-PAGE electrophoresis when synovial cell lines are treated with the organic fraction of the effective component and then stimulated with LPS. FIG. 11 shows the inhibitory effect on the synthesis of iNOS and COX-II enzymes as measured by RT-PCR when synovial cell lines are treated with the organic fraction of the effective component and then stimulated with LPS, and the inhibitory effect of respective fractions on the synthesis of iNOS (b) and COX-II (c) enzymes according to the same method as above (a). FIG. 12 shows the result obtained by labeling synovial cell lines with a secondary antibody FITC, allowing to stand the cells for about one hour while shading the light with a foil and then observing the cells under a fluorescence microscope, in order to examine whether the compound identified as the effective component in the pharmaceutical composition of the present invention can induce the inhibitory effect on COX-II expression in synovial cells in joint portion. FIG. 13 is X-ray photograph to show the 70-days inhibitory effect on edema as one of chronic and degenerative osteopathological symptoms of arthritis by treating the induced edema with respective fractions obtained as the organic solvent fractions of the pharmaceutical composition in an amount of 75 mu g/ml for 2 weeks via oral route. FIG. 14 is the result of computerized tomography (CT) to show the clinical improvement in an outpatient suffering from ruptured disc with the pharmaceutical composition of the present invention. FIG. 15 is the result of magnetic resonance imaging (MRI) to show the clinical improvement in an outpatient suffering from ruptured disc with the pharmaceutical composition of the present invention.
FIG. 16 shows the presence of ***nogo*** -A with respect to the mechanism to induce vertebral neuroparalysis in an outpatient suffering from ruptured disc. FIG. 17 shows a channel for blocking neurotransmission by raising the injury in oligodendrocyte present around the axon as the nervous portion concerned with a paralysis of neurotransmission. FIG. 18 shows (a) a channel for blocking neurotransmission to brain cells as in case that the injury is raised in oligodendrocyte present around the axon as the nervous portion concerned with a paralysis of neurotransmission, (b) the recovery of neurotransmission by treating cells with NGF or CBB13/LNE-2 to regenerate neutrite, which recovers the neurotransmission. ANSWER 220 OF 245 IFIPAT COPYRIGHT 2004 IFI on STN 10069421 IFIPAT; IFIUDB; IFICDB ***NOGO*** RECEPTOR-MEDIATED BLOCKADE OF AXONAL GROWTH; NUCLEOTIDE SEQUENCES CODING PRFEERENTIAL POLYPEPTIDES FOR USE IN THE DIAGNOSIS AND TREATMENT OF BRAIN DISORDERS AND INJURY Strittmatter Stephen M Unassigned Or Assigned To Individual (68000) US 2002012965 A1 20020131 US 2001-758140 20010112 20000112 (Provisional) 20000526 (Provisional) US 2000-175707P PRAI US 2000-207366P US 2000-236378P 20000929 (Provisional) us 2002012965 20020131 Utility; Patent Application - First Publication CHEMICAL **APPLICATION** CLMN 39 24 Figure(s). FIG. 1-Comparison of ***Nogo*** Domains (a) is a schematic diagram which summarizes features of the ***Nogo***

proteins utilized in this study. (b) is a photograph of NIH-3T3
fibroblasts cultured on surfaces coated with Amino- ***Nogo***, GSTNogo-66 or no ***protein*** and stained for filamentous actin (scale bar, 40 mu m). (c) is a photograph of chick E12 dorsal root ***Nogo*** ganglions cultured on surfaces coated with Amino-

protein

(substrate-bound) or with 100 nm

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GST-Nogo66 or no

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***Nogo***
                                      ***protein***
                                                                      (soluble) (scale bar, 40 mu m). (d) is a
   photograph of a gel and an immunoblot where purified Amino- ***Nogo***
-Myc-His ***protein*** was subjected to SDS-PAGE and stained with
   Commassie Brilliant Blue (CBB) or immunoblotted with anti-Myc antibodies
   (Myc) (molecular weight markers of 200, 116, 97, 65 & 45 kDa are at
  left). (e) is a graph displaying experimental data where the percentage of 3T3 fibroblasts with an area greater than 1200 mu m2 (spread) was measured from experiments as in (b) on Nogocoated surfaces (black) or with soluble 100 nM ***Nogo*** preparations (blue) (AM, Amino-
***Nogo***; AM+Myc, Amino-
***Nogo*** preincubated with anti-Myc
  ***Nogo***; AM+Myc, Amino- ***Nogo*** preincubated with anti-Myc antibody; AM+Myc preincubated with anti-mouse IgG antibody; Myc+Mo, anti-Myc antibody plus anti-murine IgG antibody). (f) is a graph displaying experimental data where the percentage of spread COS7 cells
                                                                      ***Nogo*** -coated surfaces or with
   was determined after culture on
   experimental data where the effects of purified preparations of GST-

***Nogo*** -66 or Amino-

***Nogo*** on growth cone morphology was
   assessed in E12 dorsal root ganglion cultures at the indicated concentrations after thirty minutes. This demonstrates that GST-
  ***Nogo*** -66 is two orders of magnitude more potent than Amino-
***Nogo*** in this assay. (h) is a graph displaying experimental data
where the neurite outgrowth per cell in E13 dorsal root ganglion cultures
was quantitated from experiments as in (c) on ***Nogo*** -coated
   was quantitated from experiments as in (c) on surfaces or with soluble 100 nm ***Nogo***
                                                                                                  preparations. (i) is a
   graph displaying experimental data where the effects of
                                                                                                                       ***Nogo***
   preparations on neurite outgrowth in cerebellar granule neurons was
   measured.
                  ***Nogo***
                                                                                            ***Nogo***
 FIG. 2-
                                             Fragments Antagonize
                                                                                                                      and CNS Myelin
 (a) is a photograph of chick E12 dorsal root ganglion explants that were
   cultured and growth cone collapse assessed as described in FIG. 4.
   Cultures were exposed to the following preparations for thirty minutes
  before fixation and staining with rhodamine-phalloidin: buffer only (Control); 15 nM GSTNogo ( ***Nogo*** ); 1 mu M each of Pep1, Pep2 and Pep3 (Pep); 15 nM GST- ***Nogo*** plus 1 mu M each of Pep1, Pep2 and Pep3 ( ***Nogo*** +Pep). Note that growth cone collapse by ***Nogo*** is blocked by peptide addition. Pep1, residues 1-25 of the extracellular domain; Pep2, 11-35; and Pep3, 21-45. (b) is a graph quantifying the results from growth cone collapse assays as in (a)
   quantifying the results from growth cone collapse assays as in (a).
   Individual peptides were included at 4 mu M, and the peptide 1-3 mixture
  was 1 mu M of each peptide. CNS myelin was prepared as described and the indicated total myelin ***protein*** concentrations were included in
  indicated total myelin ***protein*** concentrations were included in the cultures. All results are the means +-s.e.m. calculated from four to
  seven determinations. Those values significantly different from the corresponding values with the same concentration of ***Nogo***
   myelin but without peptide are indicated (asterisk, p less-ťhan 0.05,
   Student's two-tailed t test).
 FIG. 3- ***Nogo***
                                           Antagonist Pep2-41
 (a) is a graph displaying the results of chick E12 dorsal root ganglion
 growth cone collapse assays. These assays were performed and quantified as in GrandPre et al., (2000) Nature 403, 439-444. Assays were conducted with no addition (Control), 15 nM GST- ***Nogo*** ( ***Nogo*** ) or 15 nM GST- ***Nogo*** plus 1 mu M Pep2-41 ( ***Nogo*** +Pep). The values are means the calculated from four determinations. (b) is a
  graph displaying the results of binding experiments where binding of 10 nM AP- ***Nogo*** to chick E12 dorsal root ganglion neurons was
                                          to chick E12 dorsal root ganglion neurons was
  measured as described in FIG. 4 with the addition of the indicated
concentrations of Pep2-41.
FIG. 4- ***Nogo*** Pep2-
                                            Pep2-41 Prevents Both
                                                                                             ***Nogo***
                                                                                                                        & CNS Myelin
Inhibition of Neurite Outgrowth
This figure is a graph which displays the results of outgrowth assays where neurons were cultured in the presence of the indicated concentrations of Pep2-41, purified GST- ***Nogo*** (GSTNogo-66)

***protein*** and crude CNS myelin ***protein*** . Chick E13
                                                                                                                    . Chick E13 dorsal
  root ganglion neurons were cultured under standard conditions. For
  outgrowth assays, neurons were cultured in the presence of the indicated concentrations of Pep2-41, purified GST- ***Nogo*** (GSTNogo-66)

***protein*** and crude CNS myelin ***protein*** . This demonstrates
that Pep2-41 can reverse the inhibition of neurite outgrowth by either GST- ***Nogo*** or total CNS myelin.
FIG. 5-Ligand Binding Assay for Axonal ***Nogo*** Receptors
(a) is a photograph of a gel and an immunoblot where the His-APNogo (66 amino acid) ***protein*** was expressed in HEK293T cells, and
 purified from conditioned medium on a Nickel-containing resin via the His
tag. Purified ***protein*** was subjected to SDSPAGE and stained for
total ***protein*** with CBB or immunoblotted with anti- ***Nogo***
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antibodies (anti- ***Nogo***). Molecular weight markers of 200, 116, 97, 65 and 45 kDa are shown at left, and the migration of AP- ***Nogo*** at right. (b) is a photograph of dissociated chick E12 dorsal root ganglion neurons that were incubated with 10 nM AP- ***Nogo*** or 10 nM AP- ***Nogo*** +160 nM GST- ***Nogo*** for sixty minutes at 23 degrees C. The cells were washed, fixed and incubated at 60 degrees C. in order to inactivate endogenous AP. Bound AP- ***Nogo*** was detected by incubation with nitro blue tetrazolium. Note the intense neuronal staining by AP- ***Nogo*** that is displaced by unlabeled ligand. (c) is a graph displaying experimental data where the potency of AP- ***Nogo*** and GST- ***Nogo*** in E12 chick dorsal root ganglion growth cone collapse assays was assessed as described in the Example section. The EC50 of AP- ***Nogo*** was determined to be 1 nM or less. The means +s.e.m. calculated from five to eight determinations are illustrated. (d) is a graph displaying experimental data where the binding of 10 nm AP- ***Nogo*** to chick E12 dorsal root gangli to chick E12 dorsal root ganglion neurons was assessed alone, or in the presence of 100 nM GSTNogo or in the presence of 4 mu M Pep2, which was quantified from experiments as in (b) by the method described in the Example section. The means +-s.e.m. calculated from eight determinations are shown. (e) is a graph displaying experimental data where AP- ***Nogo*** binding to dorsal root ganglion neurons was measured as a function of AP- ***Nogo*** concentration. This is one of six experiments with similar results. (f) is a graph summarizing the data from (e) replotted for Scatchard analysis. The apparent Kd for AP- ***Nogo*** binding to E12 chick dorsal root ganglion neurons is 3 nm. FĬG. 6- ***Nogo*** Binding to COS-7 Expressing the Receptor This figure is a photograph of COS-7 cells that were transfected with an expression vector encoding the murine ***Nogo*** receptor. Two days after transfection, binding of AP- ***Nogo*** or AP was assessed as described in the Example section for dorsal root ganglion neurons. Note the selective binding of AP- ***Nogo*** to ***Nogo*** receptor expressing cells. Binding is greatly reduced in the presence of excess ***Nogo*** peptide not fused to AP. ***Nogo*** Receptor FIG. 7-Structure of the This schematic diagram illustrates the major structural features of the ***Nogo*** receptor.
FIG. 8-Distribution of ***Nogo*** FIG. 8-Distribution of ***Nogo*** Receptor mRNA
This figure is a photograph of Northern blot of ***Nogo*** mRNA for polyA+RNA samples from the indicated murine tissues on the left and for total RNA samples from various rat brain regions on the right. The migration of RNA size markers is shown at left. FIG. 9- ***Nogo*** -66 Receptor Immunohistology (a) is a photograph of an immunoblot where membrane fractions (10 mu g

protein) from the indicated cells or chick tissues were analyzed
by anti- ***Nogo*** -66 receptor immunoblot (molecular weight markers
in kDa are at right). (b) is a photograph of COS7 cells expressing Myc
Nogo -66 receptor or chick E5 spinal cord explants (eight days in
vitro) stained with anti- ***Nogo*** -66 receptor, anti-Myc or the oligodendrocyte-specific O4 antibody. The bottom three panels show double label immunohistochemistry of the same field (scale bar, 40 mu m for the top three panels and 80 mu m for the bottom three panels). (c) is a photograph of paraformaldehyde-fixed vibratome sections of adult brain or spinal cord stained with the anti- ***Nogo*** -66 receptor preparation. This demonstrates staining of axonal profiles (arrows) in both the pons and spinal cord. Staining is dramatically reduced in the presence of 10 mu g/ml GST- ***Nogo*** -66 receptor antigen.

FIG. 10- ***Nogo*** -66 Receptor Mediates Growth Cone Collapse by Nogo66 (a) is a photograph of chick F12 DPG explants exposed to ***Nogo*** -66 (a) is a photograph of chick E12 DRG explants exposed to ***Nogo*** following pre-treatment with PI-PLC or buffer. Staining of Factin in axons is illustrated (scale bar, 40 mu m). (b) is a graph summarizing the experimental results of binding of 3 nM AP or AP- ***Nogo*** to chick E12 dorsal root ganglion dissociated neurons. Where indicated the cultures were pre-treated with PIPLC or 150 nM GST- ***Nogo*** -66 was included in the incubation with AP- ***Nogo*** . (***c***) is a graph summarizing growth cone collapse measurements from experiments as in (a). Chick E12 DRG cultures were treated with or without PI-PLC prior to exposure to 30 nM GST- ***Nogo*** -66 or 100 pM Sema3A. (d) is a photograph of E7 retinal ganglion cell explants infected with a control virus (HSVPlexinA1) or with HSV-Myc- ***Nogo*** -66 receptor and then incubated with or without ***Nogo*** -66. Phallowing of axonal growth cones is illustrated (scale bar, 25 mu m). (e) is a graph quantitating growth cone collapse in uninfected, or viral infected E7

retinal neurons as in (d).

FIG. 11-Structure-function Analysis of Nosgo-66 Receptor

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***Nogo*** -66 receptor
(a) is a schematic diagram of different
 deletion mutants. These mutants were assessed for level of expression by
 immunoblot and for AP- ***Nogo*** binding. Note that the leucine rich
 repeats and the leucine rich repeat carboxy terminal are required for ***Nogo*** binding but the remainder of the ***protein*** is
                    ***protein***
 The second
                                               was tested after purification and
immobilization. (b) is a diagram of the predicted three dimensional structure for the first seven leucine rich repeats of the "**Nogo*** -66 receptor. This is derived from computer modeling based on the predicted structure of the related leucine rich repeats of the leutropin receptor (Jiang et al., (1995) Structure 3, 1341-1353). Modeling is performed by Swiss-Model at www.expasy.ch/spdbv. Those regions with beta
 sheet and alpha helix secondary structure are also indicated.
                            ***Nogo***
                                                                               ***Nogo***
FIG. 12-Soluble
                                                receptor blocks
Chick E13 DRG neurons cultured under standard conditions. In growth cone
 collapse assays, conditioned medium from HEK 293T cells secreting the 1-348 amino acid ectodomain fragment of the murine ***Nogo***
 receptor or control conditioned medium was added together with 100 nM

***Nogo*** -66. In the bottom left panel, the data in the graph
demonstrates that ***Nogo*** -induced collapse is blocked by the
 soluble receptor fragment. For outgrowth assays, neurons were cultured in the presence of control or ***Nogo*** receptor ectodomain conditioned
                                     ***protein***
 medium together with
                                                                                             (50 nM) or
                                                                           ***protein*** /m1). The
 central nervous system myelin (15 mu g total
 top four panels show photographs demonstrating that central nervous
 system myelin inhibits outgrowth and that this is blocked by the presence the ***Nogo*** receptor ectodomain ***protein*** Outgrowth is
 quantitated in the graph in the bottom right panel. !
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      IMMUNOLOGICAL COMPOSITION AND ITS METHOD OF USE TO TRANSIENTLY DISRUPT
      MAMMALIAN CENTRAL NERVOUS SYSTEM MYELIN TO PROMOTE NEURONAL REGENERATION;
      REPAIR CENTRAL NERVOUS SYSTEM DAMAGE; KIT CONTAINING COMPLEMENT FIXING
      ANTIBODIES
IN
     Dyer Jason K (CA); Keirstead Hans S (CA); Steeves John D (CA)
      British Columbia, University of CA (11738)
PA
PΙ
      US 6548061
                     B1 20030415
ΑI
      US 1998-181719
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     CA 1997-2219683
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9 Drawing Sheet(s), 10 Figure(s).

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FIG. 1 presents (A) Photomicrograph of a transverse section of spinal cord of an adult rat at the level of T10 left side hemisection lesion, stained with cresyl violet. All lesions were assessed and always resulted in severing the funiculi through which the rubrospinal tract traverses. The contralateral dorsal (dh) and ventral (vh) horns were always left undamaged; the central canal (cc) is labeled for orientation. (B) Assessment of visible Fluorogold diffusion in the control treated and immunologically disrupted hemisected spinal cord. Diffusion of the retrograde tracer was measured at the light microscope level at the time points indicated after injection into the lumbar spinal cord (see methods for details). Immunological demyelination did not significantly affect the diffusion of the tracer.

FIG. 2 shows electron photomicrographs of transverse sections through the dorsolateral funiculus after continuous intraspinal infusion of immunological reagents for 7 days. (A) Within one spinal segment (less-than 2 mm) of the infusion site, large regions of naked, demyelinated axons were visible. Some axons were observed to be associated with monocyte cells (M, e.g. infiltrating macrophage) and or endogenous microglia, some of which also contained myelin ovoids (arrow) or myelin debris. (B) On other grids, monocytes and invading polymorphonucleocytes (PMN) could also be seen in close association with demyelinated axons. Macrophages and/or microglia were identified on the basis of their high density endoplasmic reticulum (arrow-heads), and "finger-like" processes. Some monocytes have laid down basal lamina components such as collagen (Col), which distinguishes them from astrocytes. Multi-lobed nuclei are characteristic of PMNs and facilitate their identification. (C) Example of myelin-disruption. This is often observed 4-8 mm (12 spinal segments) from the immunological infusion site where the axons were still associated with myelin; however, the myelin

lamellae were disrupted (delaminated). Some regions of coherence in the myelin wrapping did persist (arrows). (D) Example of the appearance of axons within the dorsolateral funiculus after a control infusion of Guinea-pig complement alone. Some non-specific damage of myelin sheathes occurred, especially within one spinal segment of the infusion site; however, the compact nature of the myelin remained intact. Original magnification x 4000 (A B D) x 10000(C)

magnification x 4000 (A, B, D), x 10000(C).
FIG. 3 presents demonstrations of regeneration of rubprospinal neurons after left-side thoracic hemisection and subsequent immunological myelin suppression treatment. Panels A and B are photomicrographs of rubrospinal neurons from the same experimentally-treated animal (14 days infusion of serum complement with anti-GalC); A is from the uninjured Red nucleus while B is from the injured Red nucleus. Panels C and D are also from same control-treated animal (14 days infusion of serum complement only): C is the uninjured Red nucleus and D is the injured Red nucleus. Flourogold injection within the rostral lumbar cord 28 days after injury resulted in the retrograde labeling of uninjured rubrospinal neurons (A and C) as well as those rubrospinal neurons that had regenerated from the injured Red nucleus (B and D). (E) and (F) Axotomized rubrospinal neurons were retrograde labeled at the time of injury with the first label RDA (solid arrow heads) and subsequently 28 days later with the second label FG (open arrown heads). Double-labeled (RDA+FG) cells are indicated by an asterisk and represent those rubrospinal neurons that had regenerated after immunological myelin-suppression treatment. Scale bar=100 mu m. FIG. 4 shows a relative quantitative assessment of regeneration of rubrospinal neurons after thoracic injury and immunological treatment. Regeneration was assessed by counting FG-labeled cells in alternating tissue sections: those with both multipolar neuronal morphology and FG labeling were deemed to be positive. Percentage regeneration was calculated by comparison of the retrograde labeled cell counts from the injured Red nucleus with the control uninjured Red nucleus within the same animal. For each animal, the degree of lesion was assessed. Filled bar: myelin suppressed; hatched bar: pooled control treated groups. Data shown+-s.d.

FIG. 5 demonstrates effects of removal of a single complement

protein on immunological demyelination. (A) Control uninjured
spinal cord. Electron photomicrographs of transverse sections through the
dorsolateral funiculus indicating the ultrastructure of adult myelin
sheaths. (B) 7 day infusion with myelin-specific antibody and human
complement sera results in a profound myelin suppression. (C) The removal
of the C3 component of complement results in a lack of myelin-removal,
indicating the fundamental role of this ***protein*** in either (i)
opsonization, or (ii) the propagation of the cascade to the lytic
membrane attack complex (MAC), the final lytic pathway complex. It is
believed that it is a fundamental and essential requirement of a myelin
specific cell surface binding antibody to activate the classical
complement pathway for effective transient demyelination.

FIG. 6 shows a relative quantitative assessment of regeneration of lateral vestibulospinal neurons after thoracic injury and delayed immunological treatment. Immunological demyelination treatment was delayed for 1 or 2 months after injury as indicated. Regeneration was assessed by counting FG-labeled cells in alternating tissue sections: those with both multipolar neuronal morphology and FG labeling were deemed to be positive. Percentage regeneration was calculated by comparison of the retrograde labeled cell counts from the injured lateral vestibulospinal nucleus with the control uninjured lateral vestibulospinal nucleus within the same animal. For each animal, the degree of lesion was assessed. Filled bar: myelin suppressed; open bar: pooled control treated groups. Data shown+-s.d.

FIG. 7 presents A) Drawing of a dorsal view of the rat central nervous system, indicating the relative origins and course of the rubrospinal tract (RN) and lateral vestibular tract (LVe). Also illustrated (solid line) is the left-side thoracic hemisection lesion (*T10, line), the immunological infusion site (*T11, vertical hatching), and the site of the Fluorogold injection (*L1, diagonal hatching). B) composite photomicrograph of parasagittal sections through the lower thoracic and rostral lumbar spinal cord (T9-L1, rostral is up). Some Fluorogold diffusion can be clearly emanating from the injection site as an intense white "halo", however, this staining rapidly decreased with distance from the site of injection and none was ever visible rostral to T11, the immunological infusion site (i.e. no diffusion to or above the lesion at T10, thus no evidence for any "false" positive retrograde labeling of brainstem-spinal projections). C) photomicrograph of a transverse section of spinal cord at the level of T10 left side hemisection lesion, stained with cresyl violet. All lesions were assessed and always resulted in severing the funiculi through which the rubrospinal and lateral

vestibulospinal tracts traverse. The contralateral dorsal (dh) and ventral (vh) horns were always left undamaged; the central canal (cc) is labeled for orientation. D and E) Non-specific fluorescence associated with blood cells within the lesion and pump implantation sites indicating the degree of damage associated with the lesion and cannula implantation, respectively. Specific Fluorogold fluorescence labeling was never observed at the level of the cannula implantation or hemisection injury. FIG. 8 shows regeneration of lateral vestibulospinal neurons after left-side thoracic hemisection and subsequent immunological myelin suppression treatment. Panels A and B are photomicrographs of lateral vestibulospinal neurons from the same experimentally-treated animal (14 days infusion of serum complement with anti-GalC); A is of the injured lateral vestibular nucleus and B is from the uninjured lateral vestibular nucleus and. Panels C and D are also from same control-treated animal (14 days infusion of serum complement only); where C is the injured lateral vestibulospinal nucleus and D is the uninjured lateral vestibulospinal nucleus. Fluorogold injection within the rostral lumbar cord 28 days after injury resulted in the retrograde labeling of uninjured lateral vestibulospinal neurons (B and D) as well as those lateral vestibulospinal neurons that had regenerated from the injured lateral vestibulospinal nucleus (A and C), please see results for further details. Panel E is a drawing of a transverse section through the midbrain indicating the location of the lateral vestibular nucleus (LVe), SpVe=spinal vestibular nucleus, MVe=medial vestibular nucleus, 4V=4th ventricle, FN=facial nerve tract, 7=7th cranial (facial) nucleus, PFl=paraflocculus. Scale bar=100 mu m. FIG. 9 shows relative quantitative assessment of regeneration of rubrospinal and lateral vestibulospinal neurons after thoracic injury and immunological treatment. Regeneration was assessed by counting FG-labeled cells in alternating tissue sections; those with both multipolar neuronal morphology and FG labeling, were deemed to be positive. Percentage regeneration was calculated by comparison of the injured nucleus with the contralateral (uninjured) nucleus within the same animal. For each animal the degree of lesion was assessed. Filled bars, experimental; open bars, pooled control groups. FIG. 10 shows a quantitative assessment of regeneration of descending brainstem-spinal axons after chronic lateral hemisection & delayed immunological treatment. Percentages of retrogradely labeled red nucleus

(red) and lateral vestibular (green) neurons vs. Contralateral uninjured, after control (PBS, Ab, GpC) treatment (open bars) or immunological disruption/ demyelination (filled bars). Expressed as percentage labeled

cells in the injured nucleus vs. Uninjured contralateral.!

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      2-0-(9Z,12Z-OCTADECADIENOYL)-3-0-(ALPHA-D-GALACTOPYRANOSYL-(1''-6')-0-
      ALPHA -D-GALACTOPYRANOSYL)GLYCEROL AND PHARMACEUTICAL COMPOSITION
      CONTAINING THE SAME; MEDICINAL PLANTS; HERBS; PLANT EXTRACTS; CIBOTII
      RHIZOMA; USE THERAPY FOR ARTHRITIS, OSTEOPOROSIS, RUPTURED DISC
      Han Yong Nam (KR); Kim Sang Tae (KR); Shin Joon Shik (KR)
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17 Drawing Sheet(s), 27 Figure(s).
FIG. 1 shows (a) the flowchart of a process for recovering the dry weight of the pharmaceutical composition by extraction of the constituent drug with distilled water and an organic solvent, concentration under reduced pressure and lyophilization, and (b) the flowchart of the procedures for extracting the organic fraction according to the process for extracting the effective component.

FIG. 2 shows (a) the causal mechanism of invasion, (b) the invaded portions, and (c) the route for transmitting molecular biological signals of invasive process in joint at which arthritis as the typical one of

bone diseases is invaded.

FIG. 3 shows the survival and cytomorphological appearance of synovial cells in joint portion at which arthritis as the typical chronic and degenerative bone diseases is invaded.

FIG. 4 shows the 70-days inhibitory effect on edema as one of chronic and degenerative osteopathological symptoms of arthritis by treating the

induced edema with respective fractions obtained as the organic solvent fractions of the pharmaceutical composition in an amount of 75 mu g/ml for 2 weeks via oral route.

FIG. 5 shows the number and distribution pattern of CAM observed for 3 days by treating the fertilized egg with the effective component as the organic solvent extract in the concentration of 10 mu g/ml, incubating the egg in an incubator at 37 degrees C. for 2 days and then carefully injecting 5 x 103 synovial cells on CAM via syringe.

FIG. 6 is H/E tissue staining which shows the rupture extent of cartilaginous tissue after 70 days from the treatment of arthritis-induced animal with the water extract of the pharmaceutical

composition at the concentration given in FIG. 9.

FIG. 7 is (a) a bar graph showing the inhibition of NO formation when Raw 264.7 cell lines are treated with the organic solvent fraction of a single drug of the pharmaceutical composition at the concentration of 10 mu g/ml for 24 hours an then stimulated with LPS, and (b) a bar graph showing the inhibition of NO formation when the cell lines treated with CBB fraction and LNE fraction as the organic solvent fractions are stimulated with LPS according to the same manner as above (a).

FIG. 8 shows (a) the induction pattern of apoptosis when Raw 264. 7 cell lines are treated with the organic fraction of the effective component at the concentration of about 20 mu g/ml and then stimulated with LPS, and (b) the result of observing whether the synovial cells show the same

pattern according to the same method as above (a).
FIG. 9 shows (a) the result of flow cytometry to determine the effect on cell cycle by treating Raw 264.7 cell lines with the organic fraction of the effective component at the concentration of about 20 mu g/ml and then stimulating with LPS and (b) the result of observing whether the synovial cells show the same appearance according to the same method as above (a).

FIG. 10 shows the inhibitory effect on the expression of COX-II enzyme ***protein*** as measured by SDS-PAGE electrophoresis when synovial cell lines are treated with the organic fraction of the effective

component and then stimulated with LPS.

FIG. 11 shows the inhibitory effect on the synthesis of iNOS and COX-II enzymes as measured by RT-PCR when synovial cell lines are treated with the organic fraction of the effective component and then stimulated with LPS, and the inhibitory effect of respective fractions on the synthesis of iNOS (b) and COX-II (c) enzymes according to the same method as above (a).

FIG. 12 shows the result obtained by labeling synovial cell lines with a secondary antibody FITC, allowing to stand the cells for about one hour while shading the light with a foil and then observing the cells under a fluorescence microscope, in order to examine whether the compound identified as the effective component in the pharmaceutical composition of the present invention can induce the inhibitory effect on COX-II expression in synovial cells in joint portion.

FIG. 13 is X-ray photograph to show the 70-days inhibitory effect on edema as one of chronic and degenerative osteopathological symptoms of arthritis by treating the induced edema with respective fractions

obtained as the organic solvent fractions of the pharmaceutical composition in an amount of 75 mu g/ml for 2 weeks via oral route. FIG. 14 is the result of computerized tomography (CT) to show the clinical improvement in an outpatient suffering from ruptured disc with the pharmaceutical composition of the present invention.

FIG. 15 is the result of magnetic resonance imaging (MRI) to show the clinical improvement in an outpatient suffering from ruptured disc with the pharmaceutical composition of the present invention.

nogo -A with respect to the FIG. 16 shows the presence of mechanism to induce vertebral neuroparalysis in an outpatient suffering from ruptured disc.

FIG. 17 shows a channel for blocking neurotransmission by raising the injury in oligodendrocyte present around the axon as the nervous portion

concerned with a paralysis of neurotransmission.
FIG. 18 shows (a) a channel for blocking neurotransmission to brain cells as in case that the injury is raised in oligodendrocyte present around the axon as the nervous portion concerned with a paralysis of neurotransmission, (b) the recovery of neurotransmission by treating cells with NGF or CBB13/LNE-2 to regenerate neutrite, which recovers the neurotransmission.

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expression in oligodendrocytes during the postnatal development of rat spinal cord dorsal funiculus.

TAKETOMI M; KITADA Y; NODA T; IDE C

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Entered STN: 20000714 ED Last Updated on STN: 20000714 Entered Medline: 20000706 L6 ANSWER 228 OF 245 PHIN COPYRIGHT 2004 PJB on STN 2001:2524 PHIN AN DN s00695116 DED 2 Feb 2001 Scientists move closer to regenerating nerves TI 50 Scrip (2001) No. 2614 p22 DT Newsletter **BRIEF** FS ANSWER 229 OF 245 PROMT COPYRIGHT 2004 Gale Group on STN L6 ACCESSION NUMBER: 2001:141015 PROMT TITLE: Neurology on the Frontier: An Era of Discovery. Sellers, L.J.; Brichacek, Andra AUTHOR(S):Pharmaceutical Executive, (Feb 2001) Vol. 21, No. 2, pp. 54 SOURCE: ISSN: 0279-6570. PUBLISHER: Advanstar Communications, Inc. Newsletter DOCUMENT TYPE: LANGUAGE: English WORD COUNT: 3237 *FULL TEXT IS AVAILABLE IN THE ALL FORMAT* L6 ANSWER 230 OF 245 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2003:1029924 SCISEARCH ΑN GΑ The Genuine Article (R) Number: 745PR X-irradiation of adult spinal cord increases its capacity to support TT neurite regeneration in vitro Pinjuh D; Bedi K S (Reprint) Univ Queensland, Sch Biomed Sci, Brisbane, Qld 4072, Australia (Reprint) CS CYA Australia INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE, (NOV 2003) Vol. 21, SO No. 7, pp. 409-416. Publisher: PERGAMON-ELSEVIER SCIENCE LTD. THE BOULEVARD. LANGFORD LANE. KIDLINGTON, OXFORD OX5 1GB, ENGLAND. ISSN: 0736-5748. DT Article; Journal LA English REC Reference Count: 56 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L6 ANSWER 231 OF 245 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2003:654179 SCISEARCH AΝ The Genuine Article (R) Number: 705EV GA ΤI Antigenic specificity of immunoprotective therapeutic vaccination for qlaucoma Bakalash S; Kessler A; Mizrahi T; Nussenblatt R; Schwartz M (Reprint) Weizmann Inst Sci, Dept Neurobiol, IL-76100 Rehovot, Israel (Reprint) CS Ichilov Hosp, Dept Ophthalmol, IL-64239 Tel Aviv, Israel; NEI, Bethesda, MD 20892 USA CYA Israel; USA SO INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, (AUG 2003) Vol. 44, No. 8, pp. 3374-3381. Publisher: ASSOC RESEARCH VISION OPHTHALMOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998 USA. ISSN: 0146-0404 DT Article; Journal LA English REC Reference Count: 47 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 232 OF 245 SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN 2003:388527 SCISEARCH The Genuine Article (R) Number: 673KL Molecular analysis of ***Nogo*** TI expression in the hippocampus during development and following lesion and seizure Meier S; Brauer A U; Heimrich B; Schwab M E; Nitsch R; Savaskan N E (Reprint) Humboldt Univ, Med Sch Charite, Dept Cell & Neurobiol, Inst Anat, Oskar

Hertwig House, Philippstr 12, D-10098 Berlin, Germany (Reprint); Humboldt Univ, Med Sch Charite, Dept Cell & Neurobiol, Inst Anat, D-10098 Berlin.

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              435/320.100; 435/325.000; 530/380.000; 536/023.500; 530/400.000
       NCLS:
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       ICS: C07H021-04; C12P021-04; C12N005-06
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L6
     ANSWER 239 OF 245 USPATFULL on STN
AN
       2003:306450 USPATFULL
       Method of regenerating neurons
ΤI
       Hunt, Stephen P., London, UNITED KINGDOM
IN
       Robinson, Michelle, London, UNITED KINGDOM
       Livesey, Frederick, Cambridge, UNITED KINGDOM
PΙ
       us 2003215884
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                                20031120
       us 2002-145541
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                           Α1
                                20020514 (10)
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       ICS: G01N033-567; A61K038-17
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L6
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       2003:251635 USPATFULL
ΑN
       Axon regeneration with PKC inhibitors
ΤI
IN
       He, Zhigang, Boston, MA, UNITED STATES
       Koprivica, Vuk, Boston, MA, UNITED STATES
       Sivasankaran, Rajeev, Boston, MA, UNITED STATES
       Children's Medical Center Corporation (U.S. corporation)
PA
                                20030918
PΙ
       us 2003176424
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       us 2003-389082
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       Continuation of Ser. No. US 2002-100690, filed on 14 Mar 2002, PENDING
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       ICS: A61K031-496; A61K031-202
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 241 OF 245 USPATFULL on STN
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ΑN
       2003:251634 USPATFULL
       AXON REGENERATION WITH PKC INHIBITIORS
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TN
       He, Zhigang, Boston, MA, UNITED STATES
       Koprivica, Vuk, Boston, MA, UNITED STATES
       Sivasankaran, Rajeev, Boston, MA, UNITED STATES
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     ANSWER 242 OF 245 USPATFULL on STN
16
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TI
       Polynucleotide therapy
IN
       Fontoura, Paulo, Mountain View, CA, UNITED STATES
       Garren, Hideki, Palo Alto, CA, UNITED STATES
       Robinsón, William H., Menío Párk, CA, UNITED STATES
Steinman, Lawrence, Stanford, CA, UNITED STATES
       Ruiz, Pedro Jose, Redwood City, CA, UNITED STATES
       Utz, Paul J., Portola Valley, CA, UNITED STATES
PΙ
       us 2003148983
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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     ANSWER 243 OF 245 USPATFULL on STN
       2003:70969 USPATFULL
ΑN
ΤI
       Modulating neuronal outgrowth via the major histocompatibility complex
       Class I (MHC I) molecule
       Kaufman, Daniel L., Los Angeles, CA, UNITED STATES
       Hanssen, Lorraine, Los Angeles, CA, UNITED STATES
       Zekzer, Dan, Encinitas, CA, UNITED STATES
                                20030313
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       us 2002-161647
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PRAI

US 2001-295596P

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              424/144.100
NCL
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       NCLS:
              435/366.000
IC
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       ICS: C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 244 OF 245
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L6
                        WPIDS
     2000-679645 [66]
ΑN
                         WPIDS
DNN
     N2000-503069
                         DNC C2000-206771
TI
     Compositions used for neuron repair comprise complement-fixing
     antibody(ies) that specifically bind to myelin epitopes to cause transient
     disruption and/or demyelination, and complement ***protein***
DC
     B04 D16 S03
IN
     BOURQUE, J; DYER, J K; KEIRSTEAD, H S; STEEVES, J D
     (UYBR-N) UNIV BRITISH COLUMBIA
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     JP 2002542299 W
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     1999-326639 [27]
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     Use of complement-fixing antibodies and complement
TI
DC
     DYER, J K; KEIRSTEAD, H S; STEEVES, J D
IN
     (DYER-I) DYER J K; (KEIR-I) KEIRSTEAD H S; (STEE-I) STEEVES J D; (UYBR-N)
PA
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                       20031016 (200376)
     wo 9921581 A1 wo 1998-CA997 19981028; AU 9896179 A AU 1998-96179 19981028;
ADT
     CA 2219683 A1 CA 1997-2219683 19971028; CA 2253078 A1 CA 1998-2253078
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19981028; EP 1047449 A1 EP 1998-949847 19981028, WO 1998-CA997 19981028; CA 2253078 C CA 1998-2253078 19981028; JP 2001521008 W WO 1998-CA997 19981028, JP 2000-517739 19981028; AU 748143 B AU 1998-96179 19981028; US 6548061 B1 US 1998-181719 19981028; EP 1047449 B1 EP 1998-949847 19981028, WO 1998-CA997 19981028; DE 69818106 E DE 1998-618106 19981028, EP 1998-949847 19981028, WO 1998-CA997 19981028

AU 9896179 A Based on WO 9921581; EP 1047449 A1 Based on WO 9921581; JP 2001521008 W Based on WO 9921581; AU 748143 B Previous Publ. AU 9896179, Based on WO 9921581; EP 1047449 B1 Based on WO 9921581; DE 69818106 E Based on EP 1047449, Based on WO 9921581 FDT

PRAI CA 1998-2251410 19981016; CA 1997-2219683 19971028

ICM A61K039-395

A61K038-00; A61K038-17; A61K047-48; A61K049-00; A61K051-10; A61P025-00; A61P043-00

ICI A61K038:16, A61K038:18, A61K039:395; A61K038-18, A61P025:28; A61K038:16, A61K039-395; A61K038:18, A61K039-395
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